

**PERFORMANCE REPORT**  
**for the**



**AWARDS TO HISTORICALLY BLACK COLLEGES  
AND UNIVERSITIES  
FY 2001**

**U. S. Department of Agriculture Representative  
To the  
White House Initiative  
On  
Historically Black Colleges and Universities**

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**UNITED STATES DEPARTMENT OF AGRICULTURE  
ANNUAL PERFORMANCE REPORT  
TO THE  
WHITE HOUSE INITIATIVE ON  
HISTORICALLY BLACK COLLEGES AND  
UNIVERSITIES**

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# AGENCY ACRONYMS

<b><u>AGENCY</u></b>	<b><u>ACRONYM</u></b>
Agricultural Marketing Service	AMS
Agricultural Research Service	ARS
Animal and Plant Health Inspection Service	APHIS
Departmental Administration	DA
Cooperative State Research, Education and Extension Service	CSREES
Economic Research Service	ERS
Executive Operations	EO
Farm Service Agency	FSA
Food and Nutrition Service	FNS
Food Safety and Inspection Service	FSIS
Foreign Agricultural Service	FAS
Forest Service	FS
Grain Inspection, Packers and Stockyards Administration	GIPSA
National Agricultural Statistics Service	NASS
National Appeals Division	NAD
Natural Resources Conservation Service	NRCS
Office of Budget and Program Analysis	OBPA
Office of the Chief Financial Officer	OCFO
Office of the Chief Information Officer	OCIO
Office of Communications	OC
Office of the General Counsel	OGC
Office of the Inspector General	OIG
Office of the Secretary	OSEC
Risk Management Agency	RMA
Rural Business-Cooperative Service	RBS
Rural Housing Service	RHS
Rural Utilities Service	RUS

**Table A**  
**UNITED STATES DEPARTMENT OF AGRICULTURE**  
**Summary of Agency Awards to Historically Black Colleges and Universities (HBCU)**  
**FY 2001**  
**(DOLLARS)**

<b>Category</b>	<b>Awards to Institutions of Higher Education (IHEs)</b>	<b>Awards to Historically Black Colleges and Universities (HBCUs)</b>	<b>Awards to HBCU as % of Total Awards to IHEs</b>
<b>Research &amp; Development</b>	\$663,924,088	\$46,985,176	7.1%
<b>Program Evaluation</b>	5,958,775	3,826,055	64.2%
<b>Training &amp; Professional Development</b>	11,020,011	2,385,911	21.7%
<b>Facilities &amp; Equipment</b>	96,236,621	15,130,498	15.7%
<b>Fellowships, Traineeships, Recruitment &amp; IPAs</b>	55,506,653	7,361,645	13.3%
<b>Student Tuition Assistance Scholarships &amp; Other Aid</b>	2,007,290	1,233,392	61.4%
<b>Direct Institutional Subsidies</b>	426,196,020	30,231,787	7.1%
<b>Third Party Awards</b>	246,000	166,000	67.5%
<b>Private Sector Involvement</b>	20,000	20,000	100.0%
<b>Administrative Infrastructure</b>	37,323	37,323	100.0%
<b>Other</b>	174,019,631	7,362,132	4.2%
<b>Total</b>	\$1,435,172,412	\$114,739,919	8.0%

**TABLE 1**  
**HBCU**  
**FEDERAL AGENCY AWARDS TO INSTITUTIONS**  
**FY 2001**

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
ALABAMA												
ALABAMA A&M	3,109,959	277,022	7,590	675,111	770,278	21,900	1,446,410	0	0	100	25,000	\$6,333,370
TUSKEGEE UNIVERSITY	3,437,303	464,522	393,000	675,111	376,930	122,200	1,415,410	0	0	0	84,300	\$6,968,776
ARKANSAS												
U. OF ARKANSAS @ PB	1,937,353	322,176	156,507	666,395	42,479	56,209	1,259,873	0	0	100	0	\$4,441,092
DELAWARE												
DELAWARE STATE	717,442	220,504	169,000	913,880	849,897	44,052	455,247	0	0	0	0	\$3,370,022
DISTRICT OF COLUMBIA												
HOWARD UNIVERSITY	0	0	0	0	20,685	0	0	0	0	0	0	\$20,685
UNIV. OF D. C.	659,580	0	500	0	12,317	0	1,009,289	0	0	0	375,000	\$2,056,686
FLORIDA												
FLORIDA A&M	2,123,431	297,080	7,600	677,783	793,066	214,920	1,187,790	0	0	100	1,027,840	\$6,329,610
GEORGIA												
CLARK ATLANTA U.	86,396	0	0	0	0	0	0	0	0	0	0	\$86,396
FORT VALLEY STATE	2,237,784	243,354	249,900	699,788	380,070	34,288	1,690,369	0	0	100	1,802,000	\$7,337,653
KENTUCKY												
KENTUCKY STATE	2,892,128	268,957	9,100	1,438,591	217,639	16,280	2,118,489	0	0	100	735,325	\$7,696,609
LOUISIANA												
DILLARD UNIVERSITY	0	0	0	0	80,131	0	0	0	0	0	0	\$80,131
SOUTHERN U. & A&M	0	221,611	192,425	661,914	15,815	109,923	7,500	0	20,000	0	13,400	\$1,242,588
SOUTHERN/BATON ROUGE	1,473,214	20,200	100	0	255,294	18,300	1,159,857	0	0	100	0	\$2,927,065
SOUTHERN/NEW ORLEANS	0	0	0	0	83,934	0	0	0	0	0	0	\$83,934
XAVIER UNIVERSITY	0	0	0	0	72,869	0	0	0	0	0	0	\$72,869

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
MARYLAND												
BOWIE STATE	0	0	0	0	18,625	600	0	0	0	0	0	\$19,225
U. OF MARYLAND ES	2,246,004	354	150,100	649,419	401,967	35,051	891,701	0	0	100	0	\$4,374,696
MISSISSIPPI												
ALCORN STATE	2,544,080	221,657	149,498	668,898	576,236	34,413	2,115,339	0	0	100	0	\$6,310,221
JACKSON STATE	0	0	3,965	0	34,100	0	0	0	0	0	0	\$38,065
MISSISSIPPI VALLEY	645,577	0	0	0	24,400	7,500	0	0	0	0	0	\$677,477
TOUGALOO COLLEGE	0	0	0	0	14,766	0	0	0	0	0	0	\$14,766
MISSOURI												
LINCOLN UNIVERSITY	2,400,103	354	21,100	746,223	245,404	50,381	1,373,448	0	0	100	212,000	\$5,049,113
NORTH CAROLINA												
N. C. A&T STATE	4,241,005	158,074	131,561	1,888,581	197,363	121,174	2,505,739	0	0	100	362,500	\$9,606,097
OKLAHOMA												
LANGSTON UNIV.	1,971,380	352,402	142,198	741,605	106,623	81,697	1,262,866	0	0	100	400,000	\$5,058,871
SOUTH CAROLINA												
S. C. STATE UNIV.	1,710,146	354	403,872	857,826	417,500	37,932	1,225,686	0	0	100	25,000	\$4,678,416
TENNESSEE												
TENNESSEE STATE	2,744,423	277,176	12,065	703,140	195,416	67,879	1,896,204	0	0	100	250,000	\$6,146,403
TEXAS												
PRAIRIE VIEW A&M	3,017,254	233,811	132,675	767,411	499,728	44,096	2,616,514	0	0	100	0	\$7,311,589

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
VIRGINIA												
SAINT PAUL'S	0	0	0	0	4,158	0	0	0	0	0	0	\$4,158
VIRGINIA STATE	2,443,399	166,447	930	689,950	202,688	48,508	1,603,338	0	0	100	0	\$5,155,360
WEST VIRGINIA												
W. VIRGINIA STATE	972,855	0	0	0	0	0	1,000,000	0	0	0	0	\$1,972,855
U.S. VIRGIN ISLANDS												
UNIV. OF THE V. I.	1,111,211	0	0	0	0	0	900,998	0	0	0	0	\$2,012,209
1890 LIAISON OFFICERS	0	0	0	0	0	0	0	0	0	0	1,721,628	\$1,721,628
UNDISTRIBUTED/OTHER	2,156,149	30,000	52,225	983,336	392,629	60,489	1,089,720	166,000	0	35,823	27,778	\$4,994,149
<b>GRAND TOTAL FOR HBCUs</b>	<b>\$46,985,176</b>	<b>\$3,826,055</b>	<b>\$2,385,911</b>	<b>\$15,130,498</b>	<b>\$7,361,645</b>	<b>\$1,233,392</b>	<b>\$30,231,787</b>	<b>\$166,000</b>	<b>\$20,000</b>	<b>\$37,323</b>	<b>\$7,362,132</b>	<b>\$114,739,919</b>

CATEGORIES:

R&D	RESEARCH AND DEVELOPMENT PROGRAM	SFA	STUDENT FINANCIAL ASSISTANCE
PE	EVALUATION	DIS	DIRECT INSTITUTIONAL SUBSIDIES
Training	TRAINING	TPA	THIRD PARTY AWARDS
F&E	FACILITIES AND EQUIPMENT	PSI	PRIVATE SECTOR INVOLVEMENT
FELLOWS	FELLOWSHIP, RECRUITMENT, IPA	AI	ADMINISTRATIVE INFRASTRUCTURE

## **EXECUTIVE SUMMARY**

The Department of Agriculture (USDA) has a strong and continuing commitment to strengthening its partnerships with Historically Black Colleges and Universities (HBCUs) as well as other minority serving institutions. The programs and activities build on the significant investments the Department has made in recent years in the entire range of opportunities to further mutual goals offered by HBCUs. The return on these investments can be seen on campuses in vibrant programs and new facilities, and throughout the country in the research, education and community assistance activities conducted through HBCUs and in the contributions HBCU graduates make as USDA employees through programs that touch the lives of virtually every U.S. citizen.

As the lead Federal agency for higher education in the food and agricultural sciences, USDA continues to work closely with colleges and universities to assure excellence in U.S. higher education. The Department also continues to work with institutions to insure that the Nation has an adequate supply of scientists and professionals with requisite expertise in the food and agricultural sciences and to ensure the adequacy of the Nation's research base in the food and agricultural sciences.

USDA works with all universities and colleges that have programs in the food and agricultural sciences but has a special relationship to the land-grant system. There are 106 land-grant institutions located in each State, the District of Columbia, and some territories and include the 31 tribal colleges designated as land-grant institutions in 1994. These land-grant institutions include Tuskegee University and 17 other institutions authorized to receive funds under the Second Morrill Act of 1890 (as amended). These 1890 Institutions and Tuskegee University receive significant support under statutory formula programs to carry out food, agriculture and natural resources programs that fulfill the land-grant missions of research, education, and teaching and in this way contribute to many of the national goals of the Department of Agriculture.

During fiscal year 2001, USDA provided over \$114 million to support HBCUs. This constitutes eight percent of total awards the Department made to all institutions of higher education during the fiscal year.

The principal programs and activities that USDA conducted during fiscal year 2001, and remain strong with the Department, are the following:

- 1) Building the research and teaching capacity of the 1890 HBCUs in the agricultural and natural resource related programs through faculty and curriculum development programs and facilities improvements. The Capacity Building Grants Program, a program of competitive awards for research and teaching begun in 1990, is a cornerstone of the Department's 1890 initiatives. During FY 2001, a little more than half of the \$9.4 million was awarded to institutions to support 25 teaching projects and the rest was provided for 18 research awards.
- 2) Recruiting future employees by maintaining or increasing the number of students sponsored by USDA agencies through summer internships, the USDA National Scholars program, and fellowships. The USDA/1980 Scholars Program began in 1993. National Scholars are provided scholarships based on academic achievements, leadership qualities, and community service. The Department continues to strive to support at least two new students for each 1890 Institution each year.
- 3) Increasing participation of the HBCUs in Departmental programs and missions, through grants, cooperative agreements, in-kind contributions, and an USDA presence on campuses. Agencies are continuing to establish and

support at least one Center of Excellence – an on-campus entity that, at least in part, is dedicated to supporting the program objectives of one or more USDA agencies – at each 1890 University. The Department has established offices and placed Liaison Officers at 17 campuses of the 1890 Land-Grant Institutions. The liaisons serve as a focal point for the university students and faculty to receive information on student and faculty development programs supported by the Department and all Departmental programs available to offer financial and other assistance. The Department's agencies collectively contributed about \$1.7 million in 2001 to support these liaison activities.

4) Maintaining the infrastructure at the 1890s by providing funding for research and extension program activities. Universities have broad authority to use research and extension formula funds to address state level problems. Generally, the 1890s place emphasis on small-scale agriculture, human nutrition, rural development and quality of living, crop resources, and animal resources. Extension programs conducted at the 1890 Institutions are designed to help a diverse audience, with emphasis on those with limited resources, to improve their quality of life through the application of educational, resource-based information focused on critical issues and problems. The main programs target the small-scale agriculture producer and provide the latest facilities and permanent equipment at the 1890s under a program that provides wide latitude to each institution to direct funding to its institution-established priorities.

## **AGENCY SUMMARIES BY MISSION AREA**

**UNITED STATES DEPARTMENT OF AGRICULTURE**  
**FY 2001 PERFORMANCE REPORT**  
**SUMMARY OF AGENCY AWARDS BY MISSION AND AGENCY**  
**HISTORICALLY BLACK COLLEGES AND UNIVERSITIES**

MISSION AREA AND AGENCY	AWARDS TO HBCUs
<b>FARM AND FOREIGN AGRICULTURAL SERVICES (FFAS)</b>	
Farm Service Agency .....	\$374,737
Foreign Agricultural Service .....	2,033,115
Risk Management Agency .....	131,356
Total, FFAS .....	2,539,208
<b>FOOD, NUTRITION, AND CONSUMER SERVICES (FNCS)</b>	
Food and Nutrition Service .....	142,142
<b>FOOD SAFETY (FS)</b>	
Food Safety and Inspection Service .....	403,640
<b>NATURAL RESOURCES AND ENVIRONMENT (NRE)</b>	
Forest Service .....	3,083,761
Natural Resources Conservation Service .....	1,995,103
Total, NRE .....	5,078,864
<b>RESEARCH, EDUCATION AND ECONOMICS (REE)</b>	
Agricultural Research Service .....	2,505,760
Cooperative State Research, Education, and Extension Service .....	94,570,650
Economic Research Service .....	128,356
National Agricultural Statistics Service .....	44,413
Total, REE .....	97,249,179
<b>RURAL DEVELOPMENT (RD)</b>	
Rural Development .....	2,163,968
<b>MARKETING AND REGULATORY PROGRAMS (MRP)</b>	
Agricultural Marketing Service .....	380,761
Animal and Plant Health Inspection Service .....	1,888,168
Grain Inspection, Packers, and Stockyards Administration .....	140,565
Total, MRP .....	2,409,494
<b>DEPARTMENTAL ACTIVITIES</b>	
Departmental Administration .....	4,454,890
Executive Operations .....	4,774
Office of the Chief Financial Officer .....	264,666
Office of the Chief Information Officer .....	5,156
Office of Communication .....	2,198
Office of the General Counsel .....	6,633
Office of the Inspector General .....	13,629
Office of the Secretary .....	1,478
Total, Departmental Activities .....	4,753,424
<b>TOTAL, USDA, FY 2001</b>	<b>\$114,739,919</b>

UNITED STATES DEPARTMENT OF AGRICULTURE  
HBCU AWARDS TO INSTITUTIONS  
FY 2001

**FARM AND FOREIGN AGRICULTURAL SERVICES:**

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
ALABAMA												
ALABAMA A&M					\$5,763						25,000	\$30,763
TUSKEGEE UNIVERSITY	\$856,000										4,200	860,200
ARKANSAS												
U. OF ARKANSAS @ PB		\$154	2,612		9,273	\$13,944						25,983
DELAWARE												
DELAWARE STATE		154			8,465	9,887						18,506
DISTRICT OF COLUMBIA												
UNIV. OF D. C.												
FLORIDA												
FLORIDA A&M	10,000	154			4,904	11,867					2,840	29,765
GEORGIA												
FORT VALLEY STATE		154			12,299	14,168					2,000	28,621
KENTUCKY												
KENTUCKY STATE		154			4,904	3,780					35,325	44,163
LOUISIANA												
SOUTHERN U. & A&M		154	10,000		4,369	10,700					13,400	38,623
MARYLAND												
BOWIE STATE												
U. OF MARYLAND ES	469,988	154			4,904	10,753						485,799
MISSISSIPPI												
ALCORN STATE	71,000				25,002	5,067						101,069

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
MISSOURI												
LINCOLN UNIVERSITY	60,000	154			3,561							63,715
NORTH CAROLINA												
JOHNSON C. SMITH												
N. C. A&T STATE	574,528										12,500	587,028
OKLAHOMA												
LANGSTON UNIV.												
SOUTH CAROLINA												
S. C. STATE UNIV.		154			17,054	20,832						38,040
TENNESSEE												
TENNESSEE STATE		154			4,904	8,553						13,611
TEXAS												
PRAIRIE VIEW A&M		154			8,465	10,349						18,968
VIRGINIA												
ST. PAUL'S					4,158							4,158
VIRGINIA STATE		154	830		4,369	11,369						16,722
VIRGINIA UNION												
1890 LIAISON OFFICERS											133,474	133,474
TOTAL, FFAS FY 2001	2,041,516	1,848	13,442		122,394	131,269					228,739	2,539,208

**FOOD, NUTRITION, AND  
CONSUMER SERVICES:**

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
ARKANSAS												
U. OF ARKANSAS @ PB					3,672	11,865						15,537
DELAWARE												
DELAWARE STATE					3,672	11,865						15,537
FLORIDA												
FLORIDA A&M					3,671	11,865						15,536
OKLAHOMA												
LANGSTON UNIV.					3,672	11,865						15,537
TENNESSEE												
TENNESSEE STATE					3,671	11,865						15,536
VIRGINIA												
NORFOLK STATE												
VIRGINIA STATE					7,344	23,730						31,074
1890 LIAISON OFFICERS											33,385	33,385
TOTAL, FY 2001					25,702	83,055					33,385	142,142

**FOOD SAFETY:**

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
ALABAMA												
TUSKEGEE UNIVERSITY		10,000			20,779							30,779
DISTRICT OF COLUMBIA												
HOWARD UNIVERSITY					3,356							3,356
UNIV. OF D. C.					12,317							12,317
FLORIDA												
FLORIDA A&M		19,904										19,904
GEORGIA												
FORT VALLEY STATE		23,000			1,400							24,400
LOUISIANA												
SOUTHERN/BATON ROUGE		20,000			1,300							21,300
MARYLAND												
BOWIE STATE					14,329							14,329
COPPIN STATE					3,495							3,495
MORGAN STATE					2,143							2,143
U. OF MARYLAND ES					8,822							8,822
NORTH CAROLINA												
N. C. A&T STATE					11,118							11,118
OKLAHOMA												
LANGSTON UNIV.		75,380			1,400							76,780

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
1890 LIAISON OFFICERS											174,897	174,897
Undistributed												
TOTAL, FS FY 2001		148,284			80,459						174,897	403,640

**NATURAL RESOURCES  
AND ENVIRONMENT:**

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
ALABAMA												
ALABAMA A&M	233,151				377,000	16,500	\$50,000					676,651
TUSKEGEE UNIVERSITY	96,000	7,500			196,000	122,200	19,000					440,700

ARKANSAS

U. OF ARKANSAS @ PB	210,000					19,700						229,700
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DELAWARE

DELAWARE STATE				290,000		22,300						312,300
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FLORIDA

FLORIDA A&M	445,000				190,000	18,500						653,500
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GEORGIA

CLARK ATLANTA U.	71,396											71,396
FORT VALLEY STATE		220,000				11,000						231,000

KENTUCKY

KENTUCKY STATE		25,000	9,000			12,500						46,500
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LOUISIANA

SOUTHERN U. & A&M						3,000						3,000
SOUTHERN/BATON ROUGE					238,000	8,500						246,500

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
MARYLAND												
BOWIE STATE						600						600
U. OF MARYLAND ES						10,000						10,000
MISSISSIPPI												
ALCORN STATE	226,000					3,300						229,300
HINDS COMM. COLLEGE						600						600
JACKSON STATE					34,100							34,100
MISSOURI												
LINCOLN UNIVERSITY	153,000		21,000	21,000	100,000	7,000						302,000
NORTH CAROLINA												
N. C. A&T STATE		25,000	5,532			88,500						119,032
OHIO												
CENTRAL STATE				4,000								4,000
OKLAHOMA												
LANGSTON UNIV.	472,000			23,000		68,500						563,500
SOUTH CAROLINA												
S. C. STATE UNIV.			2,622									2,622
TENNESSEE												
TENNESSEE STATE	1,000		2,000			34,900						37,900
TEXAS												
PRAIRIE VIEW A&M	45,000			1,000		18,900						64,900
VIRGINIA												
VIRGINIA STATE												
1890 LIAISON OFFICERS											799,063	799,063
Undistributed												
<b>TOTAL, NRE FY 2001</b>	<b>1,952,547</b>	<b>277,500</b>	<b>40,154</b>	<b>339,000</b>	<b>1,135,100</b>	<b>466,500</b>	<b>69,000</b>				<b>799,063</b>	<b>5,078,864</b>

**RESEARCH, EDUCATION  
AND ECONOMICS (REE):**

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
ALABAMA												
ALABAMA A&M	2,876,808	200	2,590	675,111	387,515	5,400	1,396,410			100		5,344,134
TUSKEGEE UNIVERSITY	2,485,303	200	30,000	675,111	15,000		1,396,410				10,100	4,612,124
ARKANSAS												
U. OF ARKANSAS @ PB	1,727,353	200	100	666,395	14,181	3,200	1,259,873			100		3,671,402
DELAWARE												
DELAWARE STATE	717,442		19,000	623,880	837,760		455,247					2,653,329
DISTRICT OF COLUMBIA												
HOWARD UNIVERSITY					3,000							3,000
UNIV. OF D. C.	659,580		500				1,009,289				375,000	2,044,369
FLORIDA												
FLORIDA A&M	1,668,431	200	7,600	677,783	574,129	14,698	1,187,790			100	1,025,000	5,155,731
GEORGIA												
CLARK ATLANTA U.	15,000											15,000
FORT VALLEY STATE	2,237,784	200	100	699,788	366,371	9,120	1,690,369			100	1,800,000	6,803,832
MOREHOUSE COLLEGE	107,000											107,000
SPELLMAN COLLEGE					50,000							50,000
KENTUCKY												
KENTUCKY STATE	2,892,128	200	100	1,438,591	205,000		2,118,489			100	700,000	7,354,608
LOUISIANA												
SOUTHERN U. & A&M				661,914		7,600						669,514
SOUTHERN/BATON ROUGE	1,473,214	200	100			6,000	1,159,857			100		2,639,471
XAVIER UNIVERSITY					5,500							5,500
MARYLAND												
BOWIE STATE					4,296							4,296
MORGAN STATE					3,000							3,000
U. OF MARYLAND ES	1,776,016	200	100	649,419	388,241	14,298	891,701			100		3,720,075

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
MISSISSIPPI												
ALCORN STATE	2,247,080	200	100	668,898	537,495	19,500	2,115,339			100		5,588,712
JACKSON STATE			3,965									3,965
MISSISSIPPI VALLEY	645,577				24,400	7,500						677,477
TOUGALOO COLLEGE					6,000							6,000
MISSOURI												
LINCOLN UNIVERSITY	2,187,103	200	100	725,223	4,609	8,169	1,373,448			100		4,298,952
NORTH CAROLINA												
N. C. A&T STATE	3,656,477	200	100	733,779	179,772	11,600	2,505,739			100	350,000	7,437,767
OKLAHOMA												
LANGSTON UNIV.	1,499,380	200	100	707,841	101,551	1,332	1,262,866			100	400,000	3,973,370
SOUTH CAROLINA												
BENEDICT COLLEGE												
S. C. STATE UNIV.	1,710,146	200	100	670,229	400,446	17,100	1,225,686			100	25,000	4,049,007
TENNESSEE												
TENNESSEE STATE	2,743,423	200	4,065	703,140	180,101	7,321	1,896,204			100	250,000	5,784,554
TEXAS												
PRAIRIE VIEW A&M	2,972,254	12,200	100	766,411	483,071	10,000	2,616,514			100		6,860,650
VIRGINIA												
VIRGINIA STATE	2,443,399	200	100	689,950	179,947		1,603,338			100		4,917,034
WEST VIRGINIA												
W. VIRGINIA STATE	972,855						1,000,000					1,972,855
U.S. VIRGIN ISLANDS												
UNIV. OF THE V. I.	1,111,211						900,998					2,012,209
1890 LIAISON OFFICERS											177,005	177,005
Undistributed	2,142,149	30,000	52,225	983,336	270,206	2,000	1,089,720			35,823	27,778	4,633,237
<b>TOTAL, REE FY 2001</b>	<b>42,967,113</b>	<b>45,200</b>	<b>121,145</b>	<b>13,416,799</b>	<b>5,221,591</b>	<b>144,838</b>	<b>30,155,287</b>			<b>37,323</b>	<b>5,139,883</b>	<b>97,249,179</b>

**RURAL DEVELOPMENT:**

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
ALABAMA												
TUSKEGEE UNIVERSITY			150,000									150,000
ARKANSAS												
U. OF ARKANSAS @ PB			150,000									150,000
DELAWARE												
DELAWARE STATE			150,000									150,000
GEORGIA												
FORT VALLEY STATE			150,000									150,000
LOUISIANA												
SOUTHERN U. & A&M			150,000									150,000
MARYLAND												
BOWIE STATE												
U. OF MARYLAND ES			150,000									150,000
MISSISSIPPI												
ALCORN STATE			149,398									149,398
NORTH CAROLINA												
N. C. A&T STATE			125,929									125,929
OKLAHOMA												
LANGSTON UNIV.			142,098									142,098
SOUTH CAROLINA												
S. C. STATE UNIV.			401,150									401,150
TENNESSEE												
TENNESSEE STATE			6,000									6,000
TEXAS												
PRAIRIE VIEW A&M			132,575									132,575
1890 LIAISON OFFICERS											125,906	125,906
Undistributed					122,423	58,489						180,912
<b>TOTAL, RD FY 2001</b>			<b>1,857,150</b>		<b>122,423</b>	<b>58,489</b>					<b>125,906</b>	<b>2,163,968</b>

**MARKETING AND REGULATORY PROGRAMS:**

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
ALABAMA												
ALABAMA A&M			5,000									5,000
ALABAMA STATE				21,536								21,536
TUSKEGEE UNIVERSITY		170,000	213,000		145,151						70,000	598,151
ARKANSAS												
U. OF ARKANSAS @ PB		45,000	3,795		15,353	7,500						71,648
DISTRICT OF COLUMBIA												
HOWARD UNIVERSITY					5,563							5,563
FLORIDA												
FLORIDA A&M					20,362	157,990						178,352
FLORIDA MEMORIAL						5,000					300,361	305,361
GEORGIA												
FORT VALLEY STATE			99,800									99,800
KENTUCKY												
KENTUCKY STATE					7,735							7,735
LOUISIANA												
SOUTHERN U. & A&M			32,425		11,446	88,623	7,500		20,000			159,994
SOUTHERN/BATON ROUGE					6,928	3,800						10,728
SOUTHERN/NEW ORLEANS					24,910							24,910
MARYLAND												
BOWIE STATE												
MISSISSIPPI												
ALCORN STATE					13,739	6,546						20,285
MISSOURI												
LINCOLN UNIVERSITY					137,234	35,212					212,000	384,446
NORTH CAROLINA												
N. C. A&T STATE	10,000				6,473	21,074						37,547
OHIO												
CENTRAL STATE		50,000										50,000
TENNESSEE												
TENNESSEE STATE					6,740	5,240						11,980

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
TEXAS												
PRAIRIE VIEW A&M					8,192	4,847						13,039
VIRGINIA												
VIRGINIA STATE					11,028	13,409						24,437
1890 LIAISON OFFICERS											198,982	198,982
Undistributed	14,000							166,000				180,000
<b>TOTAL, MRP FY 2001</b>	<b>24,000</b>	<b>265,000</b>	<b>354,020</b>	<b>21,536</b>	<b>420,854</b>	<b>349,241</b>	<b>7,500</b>	<b>166,000</b>	<b>20,000</b>		<b>781,343</b>	<b>2,409,494</b>
<b>OTHER DEPARTMENTAL ACTIVITIES:</b>												
STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
ALABAMA												
ALABAMA A&M		276,822										276,822
TUSKEGEE UNIVERSITY		276,822										276,822
ARKANSAS												
U. OF ARKANSAS @ PB		276,822										276,822
DELAWARE												
DELAWARE STATE		220,350										220,350
DISTRICT OF COLUMBIA												
HOWARD UNIVERSITY					8,766							8,766
FLORIDA												
FLORIDA A&M		276,822										276,822
KENTUCKY												
KENTUCKY STATE		243,603										243,603

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
LOUISIANA												
DILLARD UNIVERSITY					80,131							80,131
SOUTHERN U. & A&M		221,457										221,457
SOUTHERN/BATON ROUGE					9,066							9,066
SOUTHERN/NEW ORLEANS					59,024							59,024
XAVIER UNIVERSITY					67,369							67,369
MARYLAND												
BOWIE STATE												
U. OF MARYLAND ES												
MISSISSIPPI												
ALCORN STATE		221,457										221,457
TOUGALOO COLLEGE					8,766							8,766
NORTH CAROLINA												
N. C. A&T STATE		132,874		1,154,802								1,287,676
OKLAHOMA												
LANGSTON UNIV.		276,822		10,764								287,586
SOUTH CAROLINA												
S. C. STATE UNIV.				187,597								187,597
TENNESSEE												
TENNESSEE STATE		276,822										276,822
TEXAS												
PRAIRIE VIEW A&M		221,457										221,457

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
VIRGINIA												
VIRGINIA STATE		166,093										166,093
1890 LIAISON OFFICERS											78,916	78,916
Undistributed												
<b>TOTAL, OTHER DA FY 2001</b>		<b>3,088,223</b>		<b>1,353,163</b>	<b>233,122</b>						<b>78,916</b>	<b>4,753,424</b>
<b>TOTAL, USDA FY 2001</b>	<b>46,985,176</b>	<b>3,826,055</b>	<b>2,385,911</b>	<b>15,130,498</b>	<b>7,361,645</b>	<b>1,233,392</b>	<b>30,231,787</b>	<b>166,000</b>	<b>20,000</b>	<b>37,323</b>	<b>7,362,132</b>	<b>114,739,919</b>

FFAS .....	2,041,516	1,848	13,442		122,394	131,269					228,739	2,539,208
FNCS.....					25,702	83,055					33,385	142,142
FS.....		148,284			80,459						174,897	403,640
NRE .....	1,952,547	277,500	40,154	339,000	1,135,100	466,500	69,000				799,063	5,078,864
REE .....	42,967,113	45,200	121,145	13,416,799	5,221,591	144,838	30,155,287			37,323	5,139,883	97,249,179
RD.....			1,857,150		122,423	58,489					125,906	2,163,968
MRP.....	24,000	265,000	354,020	21,536	420,854	349,241	7,500	166,000	20,000		781,343	2,409,494
Other.....		3,088,223		1,353,163	233,122						78,916	4,753,424
<b>TOTAL, USDA FY 2001.....</b>	<b>\$46,985,176</b>	<b>\$3,826,055</b>	<b>\$2,385,911</b>	<b>\$15,130,498</b>	<b>\$7,361,645</b>	<b>\$1,233,392</b>	<b>\$30,231,787</b>	<b>\$166,000</b>	<b>\$20,000</b>	<b>\$37,323</b>	<b>\$7,362,132</b>	<b>\$114,739,919</b>

## **FARM AND FOREIGN AGRICULTURAL SERVICES**

The mission of the Farm and Foreign Agricultural Services (FFAS) area is to ensure the well-being of the U.S. agriculture through delivery of commodity, credit, conservation, insurance, and export programs. FFAS agencies include the Farm Service Agency (FSA), the Risk Management Agency (RMA), and the Foreign Agricultural Service (FAS). The Commodity Credit Corporation (CCC) is the source of funding for most of the conservation and commodity programs administered by FSA and the export programs administered by FAS.

### **FARM SERVICE AGENCY**

The Farm Service Agency (FSA) provides support to American farmers through programs that improve the economic stability of agriculture and the environment. These programs include farm operating and emergency loan programs, conservation, disaster and crop insurance programs.

FSA has increased its emphasis on student employment programs to encourage students to pursue career opportunities within the Department of Agriculture and the FSA. During FY 2001, the USDA/1890 National Scholars Program was utilized to employ students nationwide in positions within their disciplines and provide relevant and valuable work experience. FSA strives to utilize this program to increase workforce diversity throughout the Agency. Major accomplishments have been made in the following areas:

#### **RESEARCH AND DEVELOPMENT**

FSA is continuing its support to the Center of Excellence at Lincoln University. This center provides state-of-the-art education for students, federal employees, and other individuals in the effective use of Geographic Information Systems and Wildlife Management in agriculture and natural resource management applications.

#### **STUDENT TUITION ASSISTANCE, SCHOLARSHIPS, AND OTHER AID**

USDA National Scholars Program: The Farm Service Agency (FSA) strives to utilize this program to increase diversity of staff in its field offices. In FY 01 FSA awarded scholarships to four students in the USDA/1890 National Scholars Program and supports an additional seventeen 1890 National Scholars. The Program has enabled FSA to increase its diversity with the conversion of two students to career conditional positions.

#### **OTHER**

FSA participated in conferences and seminars affiliated with HBCUs that provided valuable agriculture-related information, such as:

\$ Minorities in Agriculture, Natural Resources and Related Sciences

- \$ National Office Mentoring Program
- \$ 26<sup>th</sup> Annual Youth Motivation Task Force
- \$ Teacher Work-based Exploration Sessions
- \$ Beginning Agricultural Youth Opportunity Unlimited Program

FSA provided approximately \$693,605 in awards to institutions of higher education during FY 2001. Of this total \$374,737 was provided to HBCUs.

### **Awards and Narrative Information**

#### **RESEARCH AND DEVELOPMENT**

Award: **\$60,000**

College or University: Lincoln University, MO

Description of Program or activity: Geographic Information Systems and Wildlife Management Center of Excellence - \$60,000

This is a partnership effort between APHIS, FS, NRCS and FSA to increase the pool of trained and highly qualified candidates, particularly women and minorities, as natural resource specialists in GIS wildlife, forestry, soil science and management. Lincoln University is developing the only GIS laboratory and curriculum with practical applications of importance in crop and field identification and farm program compliance. The GIS project is designed to utilize common and shared spatial data layers and attribute files through a common computer server and network. Students receive practical hands-on experience with a digital orthophoto map base and remote sensing applications utilizing digital satellite imagery and digital aerial photography.

#### **PROGRAM EVALUATION**

Award: **\$1,848**

Description of Program or activity:

FSA continuously monitors implementation of program activities to determine effectiveness and benefit to the agency through on-site visits (divided among all schools)

College or University:

Kentucky State University	\$ 154
University of Arkansas at Pine Bluff	\$ 154
Florida A&M University	\$ 154
University of Maryland/Eastern Shore	\$ 154
Tennessee State University	\$ 154
Delaware State University	\$ 154
Prairie View A&M University	\$ 154
Virginia State University	\$ 154

Fort Valley State University	\$ 154
Lincoln University	\$ 154
South Carolina State University	\$ 154
Southern University	\$ 154

#### **FELLOWSHIPS, INTERNSHIPS, TRAINEESHIPS, RECRUITMENT, AND IPAs**

Award: **\$79,155**

Description of Program or activity: (includes, salaries, travel, housing expenses)

College or University:

Kentucky State University	\$ 4,904
University of Arkansas at Pine Bluff	\$11,435
Florida A&M University	\$ 6,404
University of Maryland/Eastern Shore	\$ 4,904
Tennessee State University	\$ 4,904
Delaware State University	\$ 8,465
Prairie View A&M University	\$ 8,465
Virginia State University	\$ 4,974
Fort Valley State University	\$13,799
South Carolina State University	\$10,238
Southern University	\$ 4,369
Lincoln University	\$ 3,561

#### **STUDENT TUITION ASSISTANCE, SCHOLARSHIPS, AND OTHER AID**

Award: **\$114,446**

Description of Program or activity: (includes tuition, books, fees, computers)

College or University:

Kentucky State University	\$ 3,780
University of Arkansas at Pine Bluff	\$14,394
Florida A&M University	\$10,367
University of Maryland/Eastern Shore	\$10,753
Tennessee State University	\$ 8,553
Delaware State University	\$ 9,887
Prairie View A&M University	\$ 4,847
Virginia State University	\$11,594
Fort Valley State University	\$12,668
South Carolina State University	\$13,078
Southern University	\$10,700

# **FOREIGN AGRICULTURAL SERVICE**

## **RESEARCH AND DEVELOPMENT**

The Foreign Agricultural Service (FAS) was pleased to continue collaboration with Historically Black Colleges and Universities (HBCUs) on international projects for development, scientific research and exchanges, and promoting food and agricultural marketing to benefit both the United States and other countries. These international efforts link the unique capabilities and enhanced expertise of HBCUs in agricultural training, research, and technical assistance in countries worldwide. Priority areas include food safety, biotechnology, trade capacity building, and environmental sustainability.

The majority of nearly \$2 million provided to HBCUs in FY 2001 was reimbursable funds from the U.S. Agency for International Development (USAID) used to support project staff providing technical assistance to developing countries. FAS' International Cooperation and Development (ICD) also uses its own limited appropriated funding to enhance HBCU participation in critical research projects promoting mutually beneficial scientific and technical cooperation worldwide.

## **RESEARCH PROJECTS WITH 1890 INSTITUTIONS:**

**North Carolina A&T State University** helps provide project staff participating in *PARTS (Policy, Analysis, Research and Technical Support)*, a USAID-funded project to increase the use of information and analysis for agriculture and natural resource policies, programs, and projects in Sub-Saharan Africa. Food security and productivity, natural resources management, environmental protection, technology development and transfer, and private sector development are a focus of this collaboration.

North Carolina A&T State University scientists teamed with Chinese trade economists and market specialists on Scientific Cooperation Research Program (SCRIP) projects for *Collaborative Research to Improve Market Access for U.S. Livestock Products in China*. In partnership with FAS staff in China, this project would provide research-based information on potential impediments to help U.S. livestock exporters market their pork, beef, and poultry products in the looming Chinese market.

**North Carolina A&T State University** has collaborated with FAS to establish a Center for Excellence, which will work to promote and support the development of a viable and sustainable global agricultural system. The Center will identify and work to eliminate barriers to the participation of small business (including small and limited resource farmers) in international agricultural trade activities and will expand U.S. agricultural exports.

**The University of Maryland Eastern Shore** helps provide project staff participating in *PARTS (Policy, Analysis, Research and Technical Support)*, a USAID-funded project to increase the use of information and analysis for agriculture and natural resource policies, programs, and projects in Sub-Saharan Africa. Food security and productivity, natural

resources management, environmental protection, technology development and transfer, and private sector development are a focus of this collaboration.

The University of Maryland Eastern Shore also participates in *African Emergency Locust/Grasshopper Assistance*, a technical assistance project to reduce threats to food security posed by uncontrolled pests, including locusts, grasshoppers, screw worm and rodents in Sub-Saharan Africa. The project also provides analysis and research in integrated pest management, program and strategy development, technology transfer, and institutional strengthening to control pest outbreaks.

**Tuskegee University** helps provide project staff participating in *PARTS (Policy, Analysis, Research and Technical Support)*, a USAID-funded project to increase the use of information and analysis for agriculture and natural resource policies, programs, and projects in Sub-Saharan Africa. Food security and productivity, natural resources management, environmental protection, technology development and transfer, and private sector development are a focus of this collaboration.

Tuskegee University accompanied representatives from Sitting Bull College, Northwest Indian College, and FAS specialists on a team visit to Panama to identify areas in which Tribal and Historically Black Colleges and Universities could work with indigenous and ethnic groups in the region.

**Alcorn State University** initiated collaboration on *AgNet Africa*, a USAID-funded project to develop, manage, and enhance a web-based server that will provide service to, and leadership in, developing networks between African collectors, producers and entrepreneurs, researchers, environmentalists, conservationists, marketers and manufacturers of agricultural and forest-based products.

Alcorn State University and Agribusiness Council of Jamaica researchers continued a project to develop international linkages for the export of goat and sheep meat from Mississippi and other southern states as an alternative profitable enterprise for small-scale farmers. *An Analysis of Consumer Acceptance and Optimal Market Strategy for Exporting Goat Meat From Mississippi and Other Southern States into Jamaica* is a long-term joint research project funded under FAS/SCRP.

**Florida A&M University** and Ghana's University of Legon are collaborating on a project to develop products and alternative methods to recycle waste from the seafood industry, reduce feed costs for small ruminants, and produce a slow release nitrogen fertilizer. *Stabilization and Utilization of Seafood Processing Waste as a Feed Supplement for Small Ruminants, and as Slow Release Fertilizer for Crop Production* is a long-term joint research project funded under FAS' Scientific Cooperation Research Program.

**Southern University and A&M College** included **Florida A&M University** in scientific exchanges to and from China to collaborate on *Urban Forestry* strategies on an FAS-funded SCR project. This project focused on emerging problems and potential crisis facing urban

ecosystems, promotes U.S. urban forestry and management practices while helping Chinese scientists acquire basic instructional and research technologies in urban forestry and environmental monitoring.

## **FELLOWSHIPS, INTERNSHIPS, RECRUITMENT, TRAINEESHIPS, AND ARRANGEMENTS UNDER THE INTERGOVERNMENTAL PERSONNEL ACT**

### **Minority Serving Institutions Faculty and Student Internships**

FAS coordinated internships for faculty members from two minority serving institutions during the summer of 2001--Tuskegee University and Fond du Lac Tribal and Community College--leading to greater participation in the Research and Scientific Exchanges Division (RSED) Scientific Cooperation Research Program. The faculty training included linkages with other USDA and Departmental international programs.

The RSED also provided an internship opportunity for an Alcorn State University student to work with the China Scientific Exchanges under the SCRP.

### **Minorities in Agriculture, Natural Resources and Related Sciences**

FAS staff conducted a seminar and participated in the annual Minorities in Agriculture, Natural Resources and Related Sciences (MANRRS) Conference.

## **OTHER**

### **FAS Scientific Cooperation Research Program Outreach Activities**

Minority and female colleagues in USDA and universities, including Minority Serving Institutions, were recruited as technical reviewers of Scientific Cooperation Research Program proposals.

The SCRP proposed guidelines were revised to specifically encourage proposals involving minority serving institutions, including those in American Samoa, Guam, Micronesia, Northern Marianas, Puerto Rico, and the Virgin Islands. Emphasis areas included food and nutritional needs of the most vulnerable populations in rural and urban areas of the United States; food and agricultural relationships with diseases such as diabetes and HIV/AIDS; and small and limited resource farmers, ranchers and communities.

### **Cooperation with Other USDA Agencies**

FAS consulted with other USDA agencies including the Natural Resources Conservation Service, Forest Service, Economic Research Service, Cooperative State Research and Extension Education Service, Animal and Plant Health Inspection Service, and Rural Business-Cooperation Service on strategies to enhance collaboration and increase participation of Minority Serving Institutions in international programs.

## **STUDENT EMPLOYMENT**

### **Student Temporary Employment Program:**

In FY 2001, FAS had a total of 19 temporary interns employed throughout the year.

### **Summer Interns:**

In FY 2001, FAS employed 24 interns. Of the 24, five attended Historically Black Colleges and Universities—two at South Carolina State University; one at Alabama A&M University; one at Alcorn State University, and one at Virginia State University.

### **Student Career Experience Program (SCEP):**

In FY 2001, FAS had a total of 22 SCEP employees.

### **1890 National Scholars:**

FAS supported two students participating in the 1890 National Scholars Program. One student attended Prairie View A&M and the other attended South Carolina State University. Both students are agribusiness majors. The student who attended Prairie View A&M graduated in 2001.

## **AWARDS AND NARRATIVE INFORMATION**

### **Research and Development**

Award: \$856,000

College or University: Tuskegee University

Description of Program or Activity: Policy, Analysis, Research and Technical Support for the use of information and analysis for agriculture and natural resource policies, program and projects in Sub-Saharan Africa.

Award: \$10,000

College or University: Florida A&M University

Description of Program or Activity: Stabilization and utilization of seafood processing waste as a feed supplement for small ruminants and as a slow release fertilizer for crop production.

Award: \$469,988

College or University: University of Maryland Eastern Shore

Description of Program or Activity: Policy, Analysis, Research and Technical Support for the use of information and analysis for agriculture and natural resource policies, program and projects in Sub-Saharan Africa, and the African Emergency Locust/Grasshopper Assistance.

Award: \$71,000

College or University: Alcorn State University

Description of Program or Activity: An analysis of consumer acceptance and optimal market strategy for exporting Goat Meat from Mississippi and other Southern States into Jamaica.

Award: \$574,528

College or University: North Carolina A&T University

Description of Program or Activity: Collaborative research to improve market access for U.S. livestock products in China, and Policy, Analysis, Research and Technical Support for the use of information and analysis for agriculture and natural resource policies, program and projects in Sub-Saharan Africa

**Fellowships, Internships, Traineeships, and Arrangements Under The Intergovernmental Personnel Act:**

Award: \$22,395

College or University: See Below

Description of Program or Activity: Salaries paid to summer interns

Alabama A&M University	\$ 5,763
Alcorn State University	\$ 4,158
South Carolina State Univ	\$ 8,316
Virginia State University	\$ 4,158
<b>TOTAL</b>	<b>\$22,395</b>

**Student Tuition Assistance, Scholarships And Other Aid:**

Award: \$6,254

College or University: South Carolina State University

Description of Program or Activity: Support of 1890 National Scholar's tuition and other related fees.

Award: \$5,502

College or University: Prairie View A&M University

Description of Program or Activity: Support of 1890 National Scholar's tuition and other related fees.

**Other:**

Award: \$17,448

College or University: N/A

Description of Program or Activity: Salaries paid to 1890 Liaison Officers

## **RISK MANAGEMENT AGENCY**

### **STUDENT PROGRAMS**

#### **1890 National Scholars Program**

RMA supported one student participating in the 1890 National Scholars Program who attends Alcorn State University. The student is majoring in Agricultural Economics and will graduate in May, 2002.

#### **Other - Outreach Projects**

Alabama A&M University        \$25,000

To develop a risk management education program for small and limited resource producers in underserved communities in North Alabama and develop a risk management database for their use.

Southern University        \$13,400

Alternative Livestock Marketing Resource Handbook - to educate small and limited resource farmers on managing risks associated with marketing and providing them with the required tools for marketing livestock using alternative methods.

In the Agricultural Risk Protection Act of 2000, Congress directed the Risk Management Agency (RMA) to implement initiatives intended to increase the effectiveness of risk management tools. One of these directives is to enhance the agency's educational and outreach efforts to producers who grow specialty crops or who are not currently served by the Federal Crop Insurance program.

## RURAL DEVELOPMENT

The Rural Development (RD) mission area strives to improve the quality of life in rural America by providing financial assistance and working with rural communities through partnerships, empowerment and technical assistance. Three agencies comprise the RD mission area: the Rural Utilities Service (RUS), the Rural Housing Service (RHS) and the Rural Business-Cooperative Service (RBS). Under the Department's streamlining and reorganization effort, the field office delivery system for the three agencies was consolidated within USDA Service Centers.

Rural Development's mission is to enhance the ability of rural communities to develop, to grow, and to improve their quality of life by targeting financial and technical resources in areas of greatest need through activities of greatest potential. This mission is supported by three goals:

- \$ encouraging the establishment and growth of rural businesses and cooperatives;
- \$ providing access to technical assistance, capital, and credit for quality housing and modern, essential community facilities; and
- \$ promoting and providing access to capital and credit for the development and delivery of modern, affordable utility services.

In a typical year, USDA Rural Development programs create or preserve more than 150,000 rural jobs, enable over 50,000 rural Americans to buy homes and help 450,000 low-income rural households rent safe and sanitary housing. Program assistance is provided in many ways, including direct or guaranteed loans, grants, technical assistance, research and educational materials. These programs are delivered through the Rural Business-Cooperative Service (RBS), the Rural Housing Service (RHS), the Rural Utilities Service (RUS), and the Office of Community Development (OCD).

The USDA Rural Development mission area has identified the need for low income, under-represented groups in traditionally agricultural and other natural resource dependent communities to receive special assistance in business diversification. This outreach to the rural communities is designed to help improve the economic health of these areas by combining the efforts of the colleges and universities with local businesses, public bodies, and private non-profit organizations to create businesses and foster infrastructure development.

USDA Rural Development, through RBS, continues to work in partnership with the Historically Black Colleges and Universities (HBCUs) by engaging in cooperative agreements with the seventeen 1890 Land Grant Institutions, Tuskegee University, and selected HBCUs.

The objectives and goals to be achieved through the 1890/HBCUs Initiative are as follows:

- \$ develop income-producing projects for under-developed rural communities;
- \$ provide technical assistance to new and existing businesses;
- \$ assist communities in leveraging other resources via State, local, private and/or federal funding;
- \$ create self-sustaining, long-term economic development in targeted areas of high unemployment through partnerships with the universities and community-based organizations, and:
- \$ assist and guide these communities in becoming self-sustainable.

The mission area also helps to support the Centers of Excellence Program. This program helps to strengthen the coalition between the 1890 community and USDA. These Centers are located on the campuses of Alcorn State University, North Carolina A&T University, and South Carolina State University.

The three agencies of the Rural Development mission area employ students on a part-time basis through the Student Educational Employment Program, including the 1890 Land Grant Institutions. Together, the agencies support students in employment programs, including the USDA/1890 National Scholars Program, providing salaries, expenses, and tuition through the National and Field Offices.

The mission area continued to support the USDA/1890 Liaison Program and various EEHA and TCU Institutions during FY 2001.

## **FOOD, NUTRITION AND CONSUMER SERVICES**

The Food and Nutrition Service (FNS) administers America's domestic nutrition programs. The mission of FNS is to improve the nutritional levels of Americans by providing children and needy families better access to a healthful diet. FNS fulfills its mission via nutrition promotion and direct nutrition assistance provided through its programs. The Food Stamp Program is the cornerstone of America's commitment to helping the needy achieve adequate nutritional levels. The other programs serve specific categories of the population. Increasing the public understanding of proper nutrition, a major Departmental objective, is also promoted through the nutrition assistance programs.

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In FY 2001, FNS continued to support the Historically Black Colleges and Universities (HBCUs) program to the maximum extent possible with its limited resources. In addition to awards to nine 1890 institutions, FNS' principal area of involvement was its support of 1890 National Scholars.

In FY 2001, FNS selected two new Scholars majoring in the nutrition field. One is attending the University of Maryland Eastern Shore and one at Prairie View A&M University. In addition, there were seven other FNS Scholars majoring in nutrition, agribusiness, and computer science. They are located at the University of Arkansas (1), Florida A&M University (1), Virginia State University (2), Tennessee State University (1), Delaware State University (1), and Langston University (1). FNS also provided funds to assist one student who performed her Dietetic Internship at the Medical University of South Carolina.

FNS remains committed to recruitment efforts focused on identifying qualified women and minorities, and has made this an element of its strategic plan and annual performance plan under the Government Performance and Results Act (GPRA). The 1890 institutions are also targeted in the Agency's automated vacancy announcement mailing system.

# FOOD SAFETY

Food Safety, the public health mission area of USDA, provides scientific focus, leadership and expertise in addressing the important domestic and international public health and safety issues related to meat, poultry, and egg products regulated by the Food Safety and Inspection Service (FSIS) and the general oversight of the Office of the U.S. Manager of the Codex Alimentarius Commission. Food Safety also leads efforts within the Department to respond to food safety emergencies and coordinates policies and program development with other departments, international organizations, other countries, and state and local governments on these food safety issues.

## **FSIS Initiatives to Improve Food Safety Among the Underrepresented Community**

During FY 2001, in support of the Executive Orders to promote educational advancement and equity for minority institutions, the Food Safety and Inspection Service (FSIS) utilized its cooperative agreement authority to enter into a partnership with Fort Valley State University, a Historically Black College University (HBCU) to improve safe food handling and preparation in retail establishments with a focus on targeting businesses in underserved rural areas of Georgia and neighboring states.

The primary objective of this project was to increase food safety awareness among low income meat and poultry distributors, transporters, retail food stores, and food service facilities, particularly in under-represented rural areas of Georgia and neighboring states. The University is to reach retailers in Georgia, Alabama, Florida, Tennessee and South Carolina. Most of the small retail establishments in rural Georgia do not have access to the latest technology and in most cases their facilities are being operated using family help and with minimum-wage hired labor. The Fort Valley State University identified low income retail operators and tailored the course materials to meet their specific needs. After the training, the Fort Valley State University contact person kept in touch with the trainees via telephone or through extension agents to troubleshoot and suggest possible solutions to specific problems.

Four two-day workshops were conducted over two years. Visual aids such as videotapes, overhead projectors, computer and InFocus were used to effectively communicate the subject matter in the workshops. The lecture room in the University's meat technology facility has been used for both discussion sessions and demonstrations. For example, meat products were processed into fresh retail and wholesale meat cuts as a demonstration. The participants learned to identify physical, chemical, and microbiological hazards in the meat products processed in their meat technology facility. The participants were also encouraged to adopt safe food practices. The exercises were linked to the HACCP system to enhance the safety of meat and poultry products at the consumer level.

## **Animal Production Food Safety Cooperative Agreements**

During FY 2001, in support of the Executive Orders to promote educational advancement and equity for minority institutions, FSIS utilized its cooperative agreement authority to enter into agreements with HBCUs, Hispanic Serving Institutions (HSIs), and Tribal Colleges and

Universities (TCUs) to develop outreach efforts in animal production food safety to small producers in the underserved and/or under-represented communities. Three of the four minority-serving institutions receiving funds in FY 2001 were HBCUs (Langston University, Florida A&M University, and Southern A&M University).

Consistent with the President's directions, this initiative enhanced the diversification of partnerships between States, Tribes, industry, universities, and the public to improve the safety of the food supply. Programs developed by the minority serving institutions were delivered through various outreach activities and offered technical training and information to small farmers with an emphasis on reaching producers in the minority communities. The schools conducted animal production food safety educational initiatives to improve the ability of food animal producers to maintain sustainable operations as they address their food safety responsibilities. The training focused on improving food safety and quality assurance outreach efforts to small producers in the underserved and/or under-represented communities in their area.

#### **FSIS Professional Recruitment Program**

The FSIS Professional Recruitment Program includes more than 30 diverse agency personnel who are assigned to HBCUs, TCUs and HSIs, and other higher education institutions around the country to conduct targeted recruitment activities. Recruiters include alumni of several HBCUs. Recruitment activities during FY 2001 focused on generating applicants for positions in the food safety field at FSIS.

The Agency increased its use of student employment programs during FY 2001 to introduce more students to career opportunities and build an applicant pool for the future. FSIS also participated in the annual conference of the National Association for Equal Opportunity in Higher Education.

# **NATURAL RESOURCES AND ENVIRONMENT**

The mission of the Natural Resources and Environment area is to promote the conservation and sustainable use of natural resources on the Nation's private lands and to sustain production of all the goods and services that the public demands of the National Forests. Two agencies, the Natural Resources Conservation Service (NRCS) and the Forest Service (FS), are primarily responsible for achieving this mission.

## **FOREST SERVICE**

In FY 2001 the Forest Service continued its goals relative to assisting Historically Black Colleges and Universities (HBCUs).

The FY 2001 program continued to focus on strengthening existing partnerships with the 1890 Land Grant Institutions and other HBCUs. These efforts involved Alabama A&M, Florida A&M, Lincoln, Southern, and Tuskegee Universities; the USDA/1890 Initiative; Centers of Excellence; USDA Agriculture Liaison Officers; USDA Summer Interns; USDA 1890 National Scholars Program (FS recruited one-third of all USDA scholars selected); 1890 Institution Capacity Building Grants Program; and the Black College and University Comprehensive Program (BCUCP). The Agency also worked in partnership with the Alabama Consortium on Forestry Education and Research to support Tuskegee University's focus on "management activities and their social impacts" and Alabama A&M's focus on the "human dimensions of natural resource management." This funding was through the Southern Research Station in the amount of \$333,000.

The Centers of Excellence (COEs) have been successful in recruiting potential Forest Service employees in various natural resources disciplines, including "Biotechnology of Southern Pines and Hardwoods" at Alabama A&M; "Water Quality" at Florida A&M; and "Wildlife and Geographical Information Systems" at Lincoln University. The Centers continued these successful recruitment efforts in FY 2001. Centers of Excellence are designed to: (1) increase the pool of highly qualified minority candidates for professional careers; (2) make more scientific knowledge readily available to the Land-Grant institutions; (3) provide technical and financial assistance through grant and scholarship programs to recruit and retain talented students and faculty; and (4) provide support for utilizing and developing the professional faculty and staff as a source of expertise deemed important to the Forest Service mission. Funding to the Centers of Excellence in FY 2001 was \$740,000.

Additionally, over 425 students have participated in the Forest Resources Program at Tuskegee. FY 2001 funding for this program was \$21,700. Graduates from this program are employed in the Forest Service, as well as in the private and public sectors. The Forest Service continued to support the Urban Forestry Program at Southern University. FY 2001 funding for this program was \$83,000. This program is the only urban forestry degree granting program (BS, MS and [pending] Ph.D.) in the nation. Graduates from this program are also employed throughout the federal, private, and public sectors.

The Forest Service also supported eleven proposals for significant work being done through the 1890/Historically Black Colleges and Universities Comprehensive Program (BCUCP). This program provides opportunities for the Agency to get involved with HBCUs in research and other program activities. The primary objective is to increase the entrance of African Americans into careers in the natural resources field. This program has served to open lines of communication between the Forest Service and the African American community and build partnerships with key entities. The program continues to attract talented African American men and women to the Forest Service through cooperative research, scientific exchange, special employment programs, community outreach and academic enrichment programs. Funding for the BCUCP in FY 2001 was \$84,440.

## **NATURAL RESOURCES CONSERVATION SERVICE**

The Natural Resources Conservation Service (NRCS) has a long-standing commitment and has forged strong ties to maintain a highly skilled and diverse work force capable of providing quality customer-oriented services. NRCS continues to support the departmental initiatives to attract and retain more minorities into agriculture and related sciences. NRCS has sponsored 49 USDA/1890 National Scholars to date and anticipates sponsoring an additional five in 2002.

NRCS established a Soil Science Scholars Program in recent years. The goals of the program were to provide an ongoing source of highly qualified and culturally diverse pool of soil scientists for NRCS and to provide an ongoing source of training for university students. To date, 13 students have been sponsored at four of the 1890 Institutions--Virginia State University, Alabama A&M University, Prairie View A&M University, and Tennessee State University. A total of 12 scholars received travel and lodging subsidies for summer employment.

In 2001, six NRCS employees maintained their USDA/1890 Liaison Officer positions.

NRCS continued collaboration in University of Arkansas at Pine Bluff's Water Management Center, Langston University's Grazing Land Center and Public Policy Institute; and Alcorn State University's C-Factor Study. NRCS entered a new partnership with Delaware State University in support of the Claude D. Phillips Herbarium.

The viability of and exposure to agriculture in rural communities continue to be a goal and objective of NRCS. NRCS has a Plant Data Center at Southern University and a Social Sciences Institute at North Carolina A&T State University.

## **RESEARCH AND DEVELOPMENT**

Award: \$226,000  
Alcorn State University  
C-Factor Study for fruits and vegetables

Award: \$472,000  
Langston University  
Grassland Center and Public Policy Institute

Award: \$210,000  
University of Arkansas at Pine Bluff  
Water Quality Management Center

### **Program Evaluation**

Award: \$25,000  
Kentucky State University  
Research Apprenticeship Program

Award: \$25,000  
North Carolina A&T University  
Crop Canopy Study

### **Training**

Award: \$21,000  
Lincoln University  
GIS & Wildlife Center

Award: \$19,154  
Kentucky State University, North Carolina A&T,  
South Carolina State University and Tennessee State University  
Conferences, workshops, and lectures

### **Facilities and Equipment**

Award: \$21,000  
Lincoln University  
GIS & Wildlife Center

Award: \$290,000  
Delaware State University  
Claude D. Phillips Herbarium

Award: \$23,000  
Langston University  
Grassland Center

### **Student Tuition Assistance, Scholarships**

Award: \$224,200

11 HBCUs

Scholarships and tuition & fees

# **MARKETING AND REGULATORY PROGRAMS**

The mission of Marketing and Regulatory Programs is to expand the domestic and international marketing of U.S. agricultural products and to protect the health and welfare of animals and plants. These programs improve market competitiveness and the farm economy for the overall benefit of both consumers and American agriculture.

The Marketing and Regulatory Programs are administered by three agencies: the Animal and Plant Health Inspection Service (APHIS); the Agricultural Marketing Service (AMS); and the Grain Inspection, Packers and Stockyards Administration (GIPSA).

## **Agricultural Marketing Service**

AMS is committed to achieving a diversified workforce. In FY- 2001 AMS contributed roughly \$235,000 in discretionary funds to Hispanic Serving Institutions (HSIs), HBCUs and TCUs. AMS supported four 1890 scholars, three Washington Internship Native Students (WINS) and two Hispanic Associations Colleges and Universities (HACU) students.

## **TRAINING**

AMS will continue to sponsor and participate with the Annual Blacks in Agriculture Symposium at Southern University and with Marketing and Regulatory Programs annual support and funding to the Annual Minorities in Agriculture, Natural Resources and Related Science Conference (MANRRS). AMS will continue to provide lab lectures and technical assistance, assist with the Goat Standards Grading Project, and have an ongoing involvement with the Trueness To Variety Project with Southern University. AMS will continue their Fellowship Program with Tuskegee University. This program is designed to provide onsite experiential opportunities and training for faculty officials in state of the art production, processing, grading and marketing technologies for livestock, meals grain and seed. In addition, AMS will continue to contribute to the Trueness to Variety project with Alabama A&M and sponsor a shell egg grading training class to a Poultry Science class at Southern University.

## **FELLOWSHIPS, TRAINEESHIPS, INTERNSHIPS, RECRUITMENT and IPAs**

In FY-2001, AMS hired several students from HBCUs, HSI and TCU as Summer Interns.

## **STUDENT TUITION ASSISTANCE, SCHOLARSHIPS, and OTHER AID**

AMS sponsored four 1890/USDA National Scholars: three attending Southern University and one attending University of Arkansas Pine Bluff. In addition, AMS paid the housing and travel cost.

## **LIASION OFFICERS:**

AMS will continue to support liaison officers at Southern University and the Minorities in Agriculture Natural Resources and Related Sciences.

## **CONTRACTS:**

**Small Farmers Assisted.** In FY- 2001, AMS established a Cooperative Agreement with Southern University and A&M College to conduct an Outreach Marketing Conference. The Agricultural Marketing Outreach Workshop held at Modesto, California, targeting minority, limited resource, and other small farmers in California, was also designed to teach small farmers how to maximize their economic potential by providing information about developing effective marketing plans.

## **ANIMAL AND PLANT HEALTH INSPECTION SERVICE**

## **GRAIN INSPECTION, PACKERS AND STOCKYARDS ADMINISTRATION**

The following are USDA 1890 initiatives were supported by GIPSA in FY01.

### **USDA 1890 Scholar Program:**

The Agency continued to support the National Scholars program. The Agency continued providing summer work experience for the Agency's four Scholars participating under the cooperative education program.

### **USDA/1890 Excess Property Program:**

GIPSA continued to provide information on all available excess equipment to all HBCUs and other institutions of higher education on an ongoing basis.

### **USDA/Summer Intern Program:**

The Agency continued its support for this Departmental initiative and provided summer employment for students from all HBCUs, HSIs, WINS, SCEP, STEP, and other institutions of higher education.

### **USDA/1890 Liaison Program:**

GIPSA continued to share the cost in supporting USDA Liaisons on the campuses of each of the seventeen 1890 Land Grant Institutions.

The Agency increased the support to HBCU/1890 schools by providing needed funds for supporting the Beginning Agricultural Youth Opportunity Unlimited (BAYOU) project at Southern University.

### **Fellowships, Traineeships, Internships, Recruitment, and IPAs**

Award: \$8,191.75  
College or University: Prairie View, TX  
Description of Program Activity: 1890 Scholar program

Award: \$6,928.48  
College or University: Southern University - LA  
Description of Program Activity: 1890 Scholar Program

Award: \$6,740.25  
College or University: Tennessee State University, TN  
Description of Program Activity: 1890 Scholar Program

Award: \$9,775.75  
College or University: Missouri Lincoln University  
Description of Program Activity: 1890 Scholar program

Award: \$8,790.75  
College or University: Florida A&M, FL  
Description of Program Activity: Summer Intern

Award: \$15,352.86  
College or University: University of Arkansas at Pine Bluff, AR  
Description of Program Activity: 2 Summer Interns

Award: \$24,909.77  
College or University: Southern University-LA  
Description of Program Activity: 4 Summer Interns

Award: \$7,735.25  
College or University: Kentucky State University  
Description of Program Activity: Summer Intern

### **Student Tuition, Assistance, Scholarships, and other Aid**

Award: \$2,153.45  
College or University: Missouri Lincoln University  
Description of Program Activity: 1890 Scholar program

Award: \$4,847  
College or University: Prairie View A&M University  
Description of Program Activity: 1890 Scholar program

Award: \$3,800  
College or University: Southern University - LA  
Description of Program Activity: 1890 Scholar Program

Award: \$5,240  
College or University: Tennessee State University  
Description of Program Activity: 1890 Scholar Program

### **Direct Institutional Subsidies**

Award: \$7,500  
College or University: Southern University and A&M College  
Description of Program Activity: Beginning Agricultural Youth Opportunity  
Unlimited (BAYOU)

### **Other**

Award: \$14,600  
College or University: Various  
Description of Program Activity: Support to Liaison in Universities

## **RESEARCH, EDUCATION AND ECONOMICS**

The Research, Education, and Economics (REE) mission area is assigned Federal leadership responsibility for the discovery, application, and dissemination of information and technologies spanning the biological, physical, and social sciences through agricultural research, education, and extension activities and economic and statistical analysis. REE responsibilities are carried out by four agencies:

- The Agricultural Research Service (ARS) is the principal in-house research agency in USDA in the area of natural and biological sciences.
- The Cooperative State Research, Education, and Extension Service (CSREES) is the Federal partner with land-grant and non-land grant colleges and universities in carrying out extramural research, higher education, and extension activities.
- The Economic Research Service (ERS) is the principal intramural economic and social science research agency in USDA.
- The National Agricultural Statistics Service (NASS) conducts the Census of Agriculture and provides the official current statistics on agricultural production and indicators of the economic and environmental welfare of the farm sector.

### **AGRICULTURAL RESEARCH SERVICE**

The Agricultural Research Service (ARS) continues to support Historically Black Colleges and Universities (HBCUs) in keeping with the Department's initiatives and ARS mission to conduct research to develop and transfer solutions to agricultural problems of high national priority and provides information access and dissemination to: ensure high-quality, safe food and other agricultural products; assess the nutritional needs of Americans; sustain a competitive agricultural economy; enhance the natural resource base and the environment, and provide economic opportunities for rural citizens, communities, and society as a whole. ARS efforts in strengthening the research and partnerships at the 1890 land-grants and Tuskegee University have continued in calendar year 2001. Some of those activities follow:

- The third Food and Nutrition Summer Institute, "Strengthening Agriculture and Health Interventions to Improve Nutrition in Africa," was held in Accra, Ghana, July 2001. Funded by USDA (ARS, ERS), DHHS (FDA, CDC), and the USAID. Forty-two people, including 12 students, participated in the 2001 Summer Institute. Students and faculty from eight HBCUs (Alabama A&M, Alcorn, Howard, Morgan State, North Carolina A&T, Prairie View A&M, Tuskegee, and Virginia State) traveled to Ghana. Representatives from USDA, USAID, and DHHS also participated. Speakers were from east, west, and southern Africa. Three African students attended the Summer Institute.

The Food and Nutrition Summer Institute was created to position nutrition programs at Historically Black Colleges and Universities (HBCUs) to meet research, education and workforce challenges of the 21<sup>st</sup> century and, ultimately, enhance the public health and general well being of the African American community. The Summer Institute model includes four focus areas: nutrition education and outreach, nutrition intervention research, nutrition policy, and nutrition linkages to the community. To meet 21<sup>st</sup> century challenges, knowledge of domestic nutrition issues is not enough. Therefore, HBCUs nutrition programs also should be knowledgeable in international nutrition issues so that faculty and students can contribute to strengthening agricultural and health interventions to improve nutrition throughout the global community.

- ARS scientists continue to identify research areas and develop Specific Cooperative Agreements to support research and biotechnology in agricultural and food science at HBCUs. In addition to more than 30 research and development projects that ARS is involved in other projects and grants are being pursued.
- ARS employees conducted a site visit at Florida A&M University's Science Center of Excellence and the Center for Biological Control for the purpose of coordinating research. The goal of these Centers is to graduate students with M.S. and Ph.D. degrees in agricultural and biological sciences.
- A meeting was held with the Langston University Director of the Center for Outreach Programs and Director of the Grasslands Center of Excellence to discuss research directions for collaboration between ARS and the university programs in water quality and management.
- ARS transferred two Category I scientists to Langston University to support the research programs at the university.
- ARS scientists met with the Dean and faculty at Langston University to discuss collaborative research to be established with the Great Plains Agroclimate and Natural Resources Research Unit and the assignment of a Category III scientist in support of the research. Other collaborative research projects were discussed.
- ARS advisor was provided at Tennessee State University on an ongoing grant, "Elders Use of Portion-Size Aids in Estimating Dietary Intake," as well as a new grant, "A Simplified, Rapid Tool for Estimating Portion Sizes in Dietary Studies." ARS staff will continue collaboration of research conducted under these grants and participate in research plans for the new grant.
- ARS employee appointed as adjunct Associate Professor at Alabama A&M University in the Department of Plant and Soil Sciences and continued collaboration on improvement of cotton and other crops through biotechnology.

- ARS scientists continued to teach classes, present lectures and demonstrations on subjects such as:
  - Ecology
  - Sedimentary rock, metamorphic rock and mass wasting;
  - Water quality of surface waters and the Toxic Substance Control Act and the Clear Water Act
  - Soil Profiles
  - Ecological principles in relationship to economics, and
  - Veterinary students received demonstrations on various techniques for identifying, titrating, and characterizing viruses and for identifying and titrating antibodies
  
- ARS scientists continued to present seminars and organize and participate in workshops on subjects such as:
  - Sustaining Riparian Areas, Stream Conservation and Water Quality
  - Pine Straw Production
  - Experimental Watershed Program and Remote Sensing; Sediment Transport and River Mechanics; and Watershed and Stream-Evolution Modeling
  - Small Delta Farmers on insects affecting sweet potatoes workshop
  - Winter faculty workshop on course development to help recruit and retain minority students in ecology and related fields
  - ARS scientists also participate in poster demonstrations and presentations such as: Evaluation of Black Belt Stream Riparian Areas Using Stream morphology measurements and the Riparian Channel Environmental Inventory
  
- ARS scientists and employees mentor both undergraduate and graduate students under several programs, such as: Student Career Experience Program, Student Temporary Employment Program, Research Apprenticeship Program, Summer Intern Program, etc.

## **RESEARCH AND DEVELOPMENT**

College or university: Alcorn State University

Description of Program or Activity:

- New grant for “Development of an Efficient Program for Production of Swine in the Southern United States.” \$144,291.00
- Developed a Specific Cooperative Agreement to support sweet potato insect research and a Sweet Potato Field Day. \$10,000.00
- Specific Cooperative Agreement entitled “Development of Specialized Molecular Markers in Cotton for Genomics Research.” \$10,000.00
- Working with Alcorn State University on methods and manuscript reading connected with Plant Growth and Residue Decomposition Projects.
- Scientist continues to provide consultation on Capacity Building Grant Proposals (CBGs)

- ARS scientist identified areas of research on sweet potato insects with the university
- Cooperative agreement on project entitled "Total maximum daily loads assessment for nitrogen, phosphorus and sediment in Southwest Mississippi watersheds."

College or university: Alabama A&M University

Description of Program or Activity:

- Established a new Cooperative Agreement for cooperative research on small grains germ-plasma enhancement. \$10,000.00
- Continues cooperation on grant entitled, "Genetic improvements of vegetable type soybeans for yield and nutritional quality" \$217,000.00
- Scientist working on a Specific Cooperative Agreement with the university on "Fate and Persistence in the soil of Cryl Ac Toxin from Bt Cotton" \$15,000.00
- Collaboration on improvement of cotton and other crops through biotechnology
- Cooperating on testing wheat lines with Hessian fly resistance in field nurseries
- Capacity Building Grant – Title: Establishment of a Grape (Vitis L.) Germplasm Center with Emphasis on Evaluation and Genetic Analysis of Pierce's Disease

College or university: Langston University

Description of Program or Activity:

- Increased funds to Specific Agreement entitled "Perennial Forage for Small Farms"
- Increased funds at Langston University to a Specific Cooperative Agreement to assist with cooperative research on low-input forage production for small farmers. \$35,000.00
- Specific Cooperative Agreement with university scientist for "Developing Propagation and Culture Techniques for Freshwater Drum for Control of Ram's Horn Snail" \$10,600.00
- Established a Memorandum of Understanding entitled "Evaluation of Cool-Season Grass Forage for the Southern Great Plains."
- ARS scientists developing new methods for determining how much forage cattle consume over time when on a pasture
- Collaborating with university scientists in gene transfer in Jose Tall Wheatgrass for enhanced forage quality.
- ARS is co-investigator on an 1890 Institutional Teaching and Research Capacity Building Grants Program, "Effects of stress on the health production efficiency of dairy goats,"
- ARS scientist was transferred to a permanent duty station at Langston University to support the research program of the two Category I scientists located at the university.
- ARS employees met with the Dean and faculty to discuss collaborative research to be established with the Great Plains Agroclimate and Natural Resources Research

Unit and the assignment of a Category III scientist at the university. Other collaborative research projects were discussed

- ARS employees met with the Director of the Center for Outreach Programs and Director of the Grasslands Center of Excellence to discuss research directions for collaboration between ARS and the university programs in water quality and management

College or university: Ft. Valley State University

Description of Program or Activity: ARS is a cooperator on a Sustainable Agricultural Research and Education program proposal \$12,500.00

Award: \$279,328.00

College or university: Virginia State University

Description of Program or Activity: Continues cooperation in support of a grant entitled, "Genetic Improvement of vegetable type soybeans for yield and nutritional quality"

College or university: Tennessee State University

Description of Program or Activity:

- Continued collaboration with the university in conducting research under Capacity Building Grants to study the use of measurement aids for estimating portion sizes in dietary intake surveys. Produced two manuscripts coauthored by ARS staff.
- ARS forestry specialist visited research facility to explore potential cooperative projects.
- ARS personnel assisted in the preparation or revision of six Capacity Building Program Research Proposals from the university
- ARS advisor was provided on an ongoing grant, "Elders Use of Portion-Size Aids in Estimating Dietary Intake," as well as a new grant, "A Simplified, Rapid Tool for Estimating Portion Sizes in Dietary Studies." ARS staff will continue collaboration of research conducted under these grants and participate in research plans for the new grant.

College or university: North Carolina A&T University

Description of Program or Activity:

- Scientist working a cooperative agreement with the university on the project entitled "Evaluating the performance of erosion and water quality models."
- Continues to work with Plant Growth and Residue Decomposition
- Collaborating on a funded CBG, "A Fiber-Optic Biosensor for Rapid Detection of Pathogen in Poultry Products"

College or university: Tuskegee University

Description of Program or Activity:

- Specific Cooperative Agreement entitled "Disease Resistance in Warm-water Fish Species" \$6,000.00

- Entered into an agreement with Tuskegee University regarding edible films from cross-linked protein hydrolysates with transglutaminase.

College or university: Morehouse College

Description of Program or Activity: Initiated a research collaboration to develop a better understanding of the effects of drought on corn kernels.

College or university: University of Maryland – Eastern Shore

Description of Program or Activity: Continuing collaboration on applications of AM fungi to hydroponics horticulture

College or university: University of Arkansas – Pine Bluff

Description of Program or Activity: Scientist attended a meeting to discuss research of mutual interest funded under a Specific Cooperative Agreement and attended a graduate committee meeting for a student supported by ARS funds for the agreement

College or university: Mississippi Valley State University

Description of Program or Activity: Initiated discussions with university scientist on evaluating effects water quality variables on problem algae growth in catfish ponds.

College or university: Southern University – Baton Rouge

Description of Program or Activity: Scientist participated in a round table discussion of research topics for Capacity Building Grant and for cooperative ARS research. Scientist also presented a seminar on Waste Management Research by the Waste Management and Forage Research Unit.

## **PROGRAM EVALUATION**

College or university: Florida A&M University

Description of Program or Activity: ARS employees conducted a site visit at the Science Center of Excellence and the Center for Biological Control for the purpose of coordinating research. The goal of these Centers is to graduate students with M.S. and Ph.D. degrees in agricultural and biological sciences.

College or university: University of Maryland – Eastern Shore

Description of Program or Activity: Periodic site visits to ARS center to discuss research progress and publications related to the collaborative research to enhance the safety of poultry products.

College or university: Langston University

Description of Program or Activity: ARS scientist met with leadership and staff of the Grassland Center of Excellence and the Center for Outreach Programs, Chair of the Department of Agriculture and Natural Resources and the Dean of the School of Agriculture and Applied Science to enhance the level of collaboration between ARS and the university.

College or university: Kentucky State University

Description of Program or Activity: Initiated discussions between university scientist to conduct performance evaluations of catfish germplasm at Stoneville, MS and Kentucky State.

## **TRAINING**

College or university: Tuskegee University

Description of Program or Activity:

- Scientist presented a seminar entitled “Sustaining Riparian Areas” to faculty and students of the College of Agricultural, Environmental and Natural Sciences
- Scientist gave a presentation describing ARS Equal Employment Opportunity policies and employment opportunities to an undergraduate environment science class
- Scientist presented a seminar entitled “Stream Conservation and Water Quality” to students in the Introduction to Geology class
- Scientist taught the ecology unit of the Environmental Science I class
- Scientist taught units on sedimentary rock, metamorphic rock and mass wasting to the Introduction to Geology class
- Scientist presented a poster entitled “Evaluation of Black Belt Stream Riparian Areas Using Stream morphology measurements and the Riparian Channel Environmental Inventory,” at the Annual Ecological Society of America meeting. The poster and paper represented research conducted at the university
- Scientist taught sections of the Environmental Science II class on water quality of surface waters and the Toxic Substance Control Act and the Clear Water Act
- Scientist assisted in teaching the General Soil Science class Laboratory on Soil Profiles
- Scientist participated in the winter faculty workshop at Augusta, GA, on course development to help recruit and retain minority students in ecology and related fields
- ARS scientist presented two lectures on ecological principles in relationship to economics to the graduate Economic Planning Class
- Scientists presented a lecture and demonstration to students in the College of Veterinary Medicine. The students learned about research being performed by ARS veterinarians and about opportunities for veterinarians in ARS. Demonstrations occurred on various techniques for identifying, titrating, and characterizing viruses and for identifying and titrating antibodies.

College or university: Langston University

Description of Program or Activity:

- Scientist taught a statistics class for the University

- Assisted a USDA Scholar with an abstract based on his senior thesis project to present a poster at the Regional Research Day at the University of Central Oklahoma, Edmond, OK.

College or university: Tennessee State University

Description of Program or Activity: ARS scientist presented a seminar entitled “Pine Straw Production” at an Agroforestry Workshop for agricultural and forestry professionals serving farmers in Tennessee

Award: \$2,490.00

College or university: Alabama A&M University

Description of Program or Activity:

- ARS employee served as an instructor for an 1890 University Faculty Agroforestry Training Workshop. Attendees consisted of 19 professionals from various 1890 institutions, state and federal agencies, and non-profit serving minority landowners in the Southeast
- Scientists presented seminars on: Experimental Watershed Program and Remote Sensing; Sediment Transport and River Mechanics; and Watershed and Stream-Evolution Modeling
- Scientist is an advisor to a Ph.D. student who is doing research on tissue culture and genetic transformation procedures as applied to cotton and other crops

College or university: Prairie View A&M University

Description of Program or Activity: Trained a student to facilitate an entomological research program

College or university: Alcorn State University

Description of Program or Activity:

- ARS scientist organized a workshop on small Delta Farmers on insects affecting sweet potatoes at the university
- Scientist mentored a minority male Student Career Experience Program (SCEP) employee to initiate surveys of sweet potato insects on small farms in the Mississippi Delta.

College or university: Howard University

Description of Program or Activity: Scientist served on a doctoral thesis review committee for a study entitled, “A Study to Determine the Effects of Trivalent Chromium Supplementation on Hyperglycemic Patients on Long Term Total Parental Nutrition.”

## **FACILITIES AND EQUIPMENT**

Award: \$35,000.00

College or university: Langston University

Description of Program or Activity:

- ARS increased funding and also renewed lease for space for ARS research programs at the university
- Donated duplicates of library materials.

College or university: Jackson State University

Description of Program or Activity: Donated equipment to conduct research using light microscopy in collaboration with ARS scientists.

College or university: University of Arkansas - Pine Bluff

Description of Program or Activity: ARS scientist transferred a surplus automated DNA sequencer to the university

## **FELLOWSHIPS, INTERNSHIPS, TRAINEESHIPS, RECRUITMENT, and ARRANGEMENTS UNDER THE INTERGOVERNMENTAL PERSONNEL ACT (IPAs)**

College or university: Tuskegee University

Description of Program or Activity:

- Scientist presented a poster, table display, and handed out literature on scientific careers in ARS
- A minority graduate student in Microbiology is employed as a summer intern in the Poultry Processing and Meat Quality Research Unit, Athens, Georgia; Two Veterinary Medicine students are employed as summer interns at the Southeast Poultry Laboratory
- Recruited minority DVM student for summer research project in mastitis
- Scientist presented a talk on "Careers in ARS"

Award: \$26,027.00

College or university: University of Arkansas-Pine Bluff

Description of Program or Activity:

- Salaries and benefits of minority students being hired under the Student Temporary Employment Program (STEP)
- Scientists served on graduate committees for three Master of Science graduate students
- ARS Diversity Enhancement in Agricultural Research Team hosted a meeting with the USDA Liaison Officers to discuss student programs

Award: \$50,000.00

College or university: Spelman College

Description of Program or Activity: Employment of minority college students as summer interns.

College or university: Morehouse College

Description of Program or Activity: Minority college summer intern student was employed at the ARS facility at Watkinsville, GA

College or university: Southern University

Description of Program or Activity: Minority college summer intern student was employed at Athens, GA

College or university: Fort Valley State University

Description of Program or Activity: Three minority college students are employed as summer interns at the ARS facility in Byron, GA.

College or university: South Carolina State University

Description of Program or Activity: A minority college student was employed as a summer intern at the ARS facility in Brooksville, Florida. Five student volunteers, under the South Carolina Alliance for Minority Participation Program, are assigned to research laboratories in Clemson, SC and Athens, GA

College or university: Florida A&M University

Description of Program or Activity:

- Two minority students were employed as summer interns at the ARS facility in Gainesville, FL. Three other minority students, who are Food Science majors, participated in the University of Georgia Summer Undergraduate Research Program and were assigned to the ARS facility in Athens, GA
- Provided work experience for a minority college student hired during the summer under the USDA/1890 Scholars Program
- Hired four students through the Research Apprenticeship and Summer Intern Programs

College or university: Voorhees College

Description of Program or Activity: Two minority college students, majoring in biology, were assigned to the ARS facility as summer interns.

College or university: Prairie View A&M University

Description of Program or Activity:

- ARS staff held an onsite tour for about 30 students participating in the Research Apprenticeship Program, a program to stimulate prospective students' interest in agriculture in general and agricultural research in specific.

- ARS Diversity Enhancement in Agricultural Research Team hosted a meeting with the USDA Liaison Officers to discuss student programs.

College or university: Langston University

Description of Program or Activity:

- ARS employees worked a booth at the Spring Career Fair and at the USDA Career Fair held in February 2001 for the purpose of informing students about ARS science and directing them to available positions
- ARS employee served as a member of the Strategies for Ecology Education Development and Sustainability Project (SEEDS) and participated in the project meeting to recruit and retain minority students in ecology fields

Award: \$3,000.00

College or university: Howard University

Description of Program or Activity: Dietetics interns from Howard University working with ARS Community Nutrition Research Group. Another student was hired through Summer Intern Program

College or university: North Carolina A&T University

Description of Program or Activity: ARS employee assisted minority student in developing abstract for presentation at the Combined Annual Meeting of the American Dairy and Animal Science Associations

College or university: Virginia State University

Description of Program or Activity: ARS placed 10 student participants of the Research, Extension and Instruction Summer Apprenticeship Program (REISAP) in ARS labs during four-week program experience

Award: \$3,000.00

College or university: Morgan State University

Description of Program or Activity: ARS hired a student through Summer Intern Program

Award: \$15,000.00

College or university: Alabama A&M

Description of Program or Activity:

- ARS hired one STEP appointment
- ARS hired one minority PhD candidate under the SCEP program to work jointly with the university and ARS scientists
- Future collaboration between AAMU and ARS was discussed including: 1) establishment of an ARS Student Career Experience Program (SCEP) position funded by CWP at the AAMU, SAES, and 2) development of a long-term research partnership based on the 1890 Institution Capacity Building Grants Program.

- Appointed as adjunct Associate Professor in the Dept. of Plant and Soil Sciences and collaboration on improvement of cotton and other crops through biotechnology.

Award: \$14,100.00

College or university: Alcorn State University

Description of Program or Activity: ARS hired one SCEP and one STEP minority student

Award: \$25,000.00

College or university:

Description of Program or Activity: ARS hired nineteen students under the Student Career Experience Program (SCEP) for the Summer Intern and Research Apprenticeship Programs

Award: \$3,965.00

College or university: Jackson State

Description of Program or Activity: A student attending Jackson State was hired for the summer

College or university: University of Maryland - Eastern Shore

Description of Program or Activity: ARS Work Site program continues to hire and train university undergraduate students through Research Support Agreement (RSA). A Specific Cooperative Agreement was also used to hire and train five students during FY 2000 through FY 2001. University graduate students use laboratory space and receive guidance on research projects.

College or university: Delaware State University

Description of Program or Activity: Work Site program continues to hire permanent, work-study, and summer students

## **STUDENT TUITION ASSISTANCE, SCHOLARSHIPS, and OTHER AID**

Award: \$15,000.00

College or university: Alcorn State University

Description of Program or Activity: Awarded funds for summer students to work in the Lower Mississippi Delta Nutrition Intervention Research Initiative

Award: \$6,000.00

College or university: Southern University A&M

Description of Program or Activity: Awarded funds for summer students to work in the Lower Mississippi Delta Nutrition Intervention Research Initiative

Award: \$3,200.00

College or university: University of Arkansas – Pine Bluff

Description of Program or Activity: Awarded funds for summer students to work in the Lower Mississippi Delta Nutrition Intervention Research Initiative

Award: \$10,400.00

College or university: Alabama A&M

Description of Program or Activity: ARS provided tuition assistance for a M.S. student

### **OTHER**

College or university: Langston University

Description of Program or Activity: ARS scientist attended and participated in the Langston University Center for Outreach Programs Annual Farmers Conference 2001 and Agriculture Field Day. Activities emphasized research-development links with under served minority farmers. Scientist consulted with minority farmers about local environmental problems.

College or university: Alabama A&M, Alcorn, Howard, Morgan State, North Carolina A&T, Prairie View A&M, Tuskegee, and Virginia State

Description of Program or Activity: The third Food and Nutrition Summer Institute, "Strengthening Agriculture and Health Interventions to Improve Nutrition in Africa," was held in Accra Ghana, July 15 - 21, 2001, jointly funded by ARS, USDA (ERS) and two other federal Departments. The Food and Nutrition Summer Institute was created to position nutrition programs at Historically Black Colleges and Universities (HBCUs) to meet research, education and workforce challenges of the 21<sup>st</sup> century and, ultimately, enhance the public health and general well being of the African American community. The Summer Institute model includes four focus areas: nutrition education and outreach, nutrition intervention research, nutrition policy, and nutrition linkages to the community. To meet 21<sup>st</sup> century challenges, knowledge of domestic nutrition issues is not enough. HBCUs nutrition programs also should be knowledgeable in international nutrition issues so that faculty and students can contribute to strengthening agricultural and health interventions to improve nutrition throughout the global community. The purpose of the third Food and Nutrition Summer Institute was to:

1. Encourage HBCUs to develop strong international nutrition components to prepare students and faculty in addressing the public health needs of African and African American communities;
2. Expose students and faculty to micronutrient deficiencies that are not as prevalent in the U.S., but continue to be major problems in Africa and may be problems for new immigrants;
3. Stimulate and foster stronger links between the global community and HBCU nutrition programs by using these programs as effective partners in developing agricultural and health interventions
4. Enhance the growth and development of a competent, diverse body of food and nutrition students and professionals versed in the knowledge of international nutrition; and

5. Encourage HBCUs and sister African universities to leverage existing nutrition program resources to better meet the public health needs and eliminate health disparities through research, program delivery, and information dissemination.

Based on the four focus areas, the Summer Institute 2001 presentations highlighted food security, food safety, and health interventions in three regions of the African continent. Building food and nutrition capacity development partnerships between HBCUs and African institutions also was discussed.

### **NATIONAL AGRICULTURAL LIBRARY**

The National Agricultural Library (NAL) continued its support of Historically Black Colleges and Universities (HBCUs) with a total of \$30,800.00 awarded in 2001. The majority of the total awards, slightly less than the previous fiscal year with a \$7,800 increase over the projected support for fiscal year 2001, were awarded to the 1890 land-grant institutions and Tuskegee University.

NAL's accomplishments during the year focused on continuing support of Departmental initiatives and long-standing NAL efforts to strengthen capacities for the 1890 land-grants and Tuskegee University. NAL enhanced collaborations to the broader HBCU community in the agriculture education arena. Specific assistance supported research and development, program evaluation, training, and internship activities. This included:

- NAL assisted with program planning and developed resources for the USDA Celebrates Back-to-School Days® conference to showcase USDA programs designed to attract students to food and agricultural sciences, develop faculty, and deliver learning opportunities. Mailed conference exhibit materials including agriculture education-related resources to USDA Liaison Officers.
- \$ Provided input to the 1890 Library Deans/Directors Association on the implementation of the 1890 Strategic Plan for a presentation to the 1890 Council of Presidents.
- \$ NAL agreed to support three new USDA/1890 Capacity Building Grants Program projects from two 1890 institutions: Alcorn State University and Fort Valley State University. The Alcorn project entitled "Facilitating Interactive Student Learning in Ag through the Development of Library-Assisted, Internet-Based Electronic Multimedia Courseware" was funded.
- NAL continued to provide document delivery services support for the 1890 land-grants and Tuskegee University research, teaching and extension programs.
- \$ NAL continued to provide AGRICOLA database on CD-ROM subscriptions for Tuskegee University and the University of Arkansas at Pine Bluff during their transition to Web-based access to the database. AGRICOLA, containing over 4

million references to globally produced agriculture literature, has been available on the Internet since 1998 through the NAL Web site at the following address: <http://www.nal.usda.gov/ag98>.

- NAL provided the 1890 land-grant institutions and Tuskegee University libraries the Curtis Botanical Magazine on CD-ROM, Volumes 1-26, (1787-1808), produced by the NAL National Agricultural Text Digitizing Program.
- \$ NAL and Medgar Evers College (MEC), City University of New York, formalized collaboration to enrich the MEC science education curricula and programs within the communities MEC serves. In connection with this partnership, NAL expanded its outreach to minority-serving educational institutions beyond the agricultural community as follows:
  - (1) exhibited information resources of interest to all levels of the education community, policymakers and consumers of agricultural information at the Education Technology Think Tank (ET3) Technology Exposition that showcased technology partnerships committed to closing the digital divide;
  - (2) attended the Education Braintrust forum on ~~A~~The African American Education Emergency Agenda: TEC (Technology Empowers Communities) Partnerships to Mobilize Communities,~~@~~and;
  - (3) Sponsored a local high school minority student intern to serve, along with 46 youths from traditionally underserved communities across the country, as a NetGeneration of Youth (NGY) cyberjournalist. The NGY is a national youth leadership initiative of the ET;, which develops youth to assume leadership in the 21<sup>st</sup> century. The youth participated in an intense two-day training and technology exposition to : (a) learn about civic activities related to education and technology; (b) engage decision makers in dialogue, (c) develop media literacy skills; (d) observe testimony on key education issues such as vouchers, school facilities; and (e) use of computers to obtain information on careers and for classroom use.

## RESEARCH AND DEVELOPMENT

Award: \$3,300.00

College or University: (See below)

Description of Program or activity:

Agriculture Network Information Center (AgNIC). The AgNIC Coordinator and NAL Director continued dialogue with 1890 library directors on how to become AgNIC alliance members. AgNIC is a NAL land-grant university partnership that provided global access to quality agriculture inform and experts via the Internet.

Document Delivery Services. NAL provided journal articles, books and other materials to support the agricultural sciences research, education and extension program. \$1,100.00

Alabama A&M University (\$100)  
North Carolina A&T State Univ. (\$100)  
Kentucky State University (\$100)  
University of Maryland-Eastern Shore (\$700)  
Lincoln University (\$100)

Capacity Building Grants Program. The National Agricultural Library agreed to support three new project proposals submitted by two 1890 institutions as follows:

Alcorn State University	\$500.00
\$ Facilitating Interactive Student Learning in Ag through the Development of Library-Assisted, Internet-Based Electronic Multimedia Courseware	
Fort Valley State University	\$800.00
\$ Phase III of Community Service Internships,	
\$ Application of Molecular Biology Tools in Veterinary Medicine	

## **PROGRAM EVALUATION**

Award: \$3,400.00  
College or University: 1890 Institutions and Tuskegee University  
Description of Program or activity:

1890 Library Deans/Directors Association Fall Meeting \$3,400.00

Prairie View A&M University hosted the meeting, which included a tour of the Coleman Library and Department of Agriculture research facility. The NAL Liaison provided an update on USDA initiatives and ongoing NAL activities; identified new areas for collaborations that support 1890 agricultural programs.

United States Agricultural Libraries and Information Network (USAIN)/NAL American Library Association (ALA) Mid-winter/Meeting in Washington, DC. Mentored a librarian from the University of Arkansas Pine Bluff in attendance at the meeting. Reviewed program plans and provided networking contacts and ideas.

## **TRAINING**

Award: \$4,500  
College or University: University of the District of Columbia \$500.00  
Description of Program or Activity: Quality of Life Field Day Exercises Ag Experiment Station Community Outreach and Extension Services (COES). The NAL HBCU Liaison, Education Program Coordinator and Research Apprenticeship Program student interns

participated in the activities. They established networking contacts with the UDC/COES, Ag in the Classroom (AITC) Coordinator and Teacher Training Program participants.

College or University: 1890 Institutions & Tuskegee \$1,700.00

Description of Program or Activity: USDA ABack-To-School Days@Conference for USDA Liaison Officers: Conference focused on USDA Education programs and initiatives designed to attract students to the food and agricultural sciences, develop faculty and deliver learning opportunities. Conference program and exhibit planning. Developed materials handouts on agricultural education resources. Mailed conference materials to liaison officers following cancellation of conference on 9/11.

College or University: University of Maryland Eastern Shore (UMES) \$300.00

Description of Program or activity: NAL Virtual/Web site tour and presentation on NAL's resources and career opportunities, for 18 freshmen in the UMES Louis Stokes Alliance for Minority Participation Program and their faculty advisor.

College or University: Medgar Evers College, City University of New York \$2,000.00

Description of Program or activity: Medgar Evers College/NAL Partnership. NAL exhibited at the Congressional Black Caucus Education Braintrust Forum & Education Think Tank Technology (ET3) Exposition. NAL provided a flyer on NAL's resources and programs for inclusion in the program booklet for the launch of Brooklyn Technology Alliance, networking contacts and information on digitization of information resources for the MEC library.

## **FACILITIES AND EQUIPMENT**

### Electronic and Print Resources:

Provided the 1890 institutions and Tuskegee University information resources including:

\$	AGRICOLA CD-ROM database subscription continued for:	
	Tuskegee University	\$400.00
	University of Arkansas Pine Bluff	\$400.00
\$	<u>Curtis Botanical Magazine</u> , Volumes 1-26, 1787-1808 CD-ROM. developed through the NAL National Text Digitizing Program	\$1,900.00
	(1890s & Tuskegee \$100/institution except. \$200/NC A&T, \$100 UDC)	
\$	International Association of Agricultural Information Specialists (IAALD) Directory	
	(1890s & Tuskegee, \$100/institution)	\$1,700.00

## **FELLOWSHIPS, INTERNSHIPS, TRAINEESHIPS, RECRUITMENT, AND IPAs**

Award: \$13,400.00

College or University: Bowie State University (2)

\$4,300.00

University of Maryland Eastern Shore (UMES)

\$9,100.00

Description of Program or Activity: Student Temporary Employment Program

The award is for salaries for three students NAL employed in fiscal year 2001 who attend Historically Black Colleges and Universities: two freshmen attend Bowie State University and one senior attends UMES.

### **Administrative Infrastructure**

Award: \$1,700.00

College or University: 1890 Institutions & Tuskegee University

Description of Program or activity: Provided input on implementation of the 1890 Strategic Plan to the 1890 Library Deans /Directors Association for a presentation to the 1890 Council of Presidents.

Award: \$2,000.00

College or University: Medgar Evers College

Description of Program or activity: National Agricultural Library/Medgar Evers College Initiative

The National Agricultural Library and Medgar Evers College (MEC), City University of New York signed a Memorandum of Understanding to formalize collaboration: (a) to enrich the science education curricula and programs at all educational levels within the communities MEC serve; and (b) to expand NAL services to urban, minority educational institutions and other customer groups.

NAL communicated with MEC library and science and technology faculty and staff to identify next steps for initiative-related activities including: (a) provide NAL information briefings for the partnership steering committee, faculty and staff; (b) convene workshops onsite at MEC; and (c) link MEC Technology Empowering Communities (TEC)-WATCH Alliance to the NAL Web site. NAL provided information on the digitization of MEC's special library collections.

### **Cooperative State Research, Education and Extension Service**

The Cooperative State Research, Education, and Extension Service (CSREES) is committed to enhancing partnerships with Historically Black Colleges and Universities (HBCUs) so that they may assist in the continued improvement and success of the Food and Agricultural Science system. CSREES works primarily with the 1890 Land-Grant Institutions because they provide academic and research programs in the food and agricultural sciences. In FY 2001, over \$90 million were awarded to HBCUs by CSREES.

The Second Morrill Act of 1890 established what are known today as Historically Black 1890 Land-Grant Institutions. These sixteen Historically Black Land-Grant Institutions and Tuskegee University (a private institution which has espoused the Land-Grant philosophy throughout its history) are collectively called the 1890 Institutions. In FY 2000 West Virginia State University was included as one of the 1890 Land Grant Universities.

One exemplary program administered by CSREES is the Fellows Program, which reflects the USDA commitment to advancing its relationship with the 1890 Institutions, as well as the land-grant institutions in American Samoa, the District of Columbia, Guam, Micronesia, Northern Marianas, Puerto Rico, and the Virgin Islands. The program offers faculty and staff affiliated with these institutions an opportunity to work in CSREES for three summer months to gain experiences which may foster the Fellows' professional growth, thereby strengthening the quality of land-grant programs and fostering work force diversity. One of the four faculty members were from 1890 Institutions during FY 2001.

## **PROGRAMS AND ACTIVITIES**

**Evans-Allen C** The Evans-Allen program is one of the formula programs administered by CSREES. The program was established in the Food and Agriculture Act of 1977. Section 1445 of P.L. 95-113 authorized annual appropriations to support continuing agricultural research at the 1890 Institutions. The program provides non-earmarked funding for research in food and agricultural sciences. These formula funds provide nearly 100 percent of the agricultural research funding at the 1890 Institutions. Through this program, nationally recognized research programs are administered by scientists at 1890 Institutions. The program provides an opportunity to introduce students under represented in food and agricultural sciences to research and careers in research, and serves as a vehicle to recruit such students into the food and agricultural sciences graduate programs (M.S. and Ph.D.) administered by these institutions, as well as other institutions committed to the land-grant tradition.

The Initiative for Future Agriculture and Food Systems (IFAFS) – Legislated by P.L. 107-76, IFAFS authorized the Secretary of Agriculture to establish a research, extension and education competitive grants program to address a number of critical emerging agricultural issues. These issues relate to future food production, food safety, environmental quality, natural resource management, and farm income.

**Hatch Act C** The Hatch Act formula funds support research on all aspects of agriculture, including soil and water conservation and use; plant and animal production, protection, and health; processing, safety, marketing, and utilization of food and agricultural products; forestry, including range management and range products, multiple use of forest and rangelands, and urban forestry; aquaculture; family and consumer sciences; human nutrition; rural and community development; sustainable agriculture; molecular biology, and; biotechnology. Research is conducted on problems of local, State, regional, and/or national concern.

**McIntire-Stennis C** The McIntire-Stennis Cooperative Forestry Program formula funds support research to facilitate wise choices in the utilization of the Nation's forest resources.

**Animal Health C** The Animal Health and Disease Program formula funds improve the health and productivity of animals and the welfare of producers and consumers of animal products.

**Special Research Grants C** CSREES administers a program of Special Research Grants for the purpose of conducting research to facilitate or expand promising breakthrough in areas of the food and agricultural sciences important to the United States. Special Research Grants are awarded on a competitive, as well as a discretionary, basis.

**National Research Initiative C** This is a major extramural competitive research grants program, supporting high priority, mission-linked research through projects focusing on the development of integrated production, processing, and distribution systems for generation of high value products, with an emphasis on local production and processing.

**1890 Institution Teaching and Research Capacity Building Grants Program C** this competitive grants program serves as the crux of the Department's high priority initiative to advance the teaching and research capacity of the 1890 Institutions. This program is intended to strengthen teaching and research programs in the food and agricultural sciences by building the institutional capacities of the 1890 Institutions through cooperative initiatives with Federal and non-Federal entities. It seeks to address the need to (1) attract more minority students into the food and agricultural sciences and (2) expand linkages among the 1890 Institutions to more firmly establish them as full partners in the food and agriculture system. In fiscal year 2001, 162 proposals were received, representing a total funding request of approximately \$41 million. These included 107 research proposals and 55 teaching proposals. Available funding for FY 01 was more than \$9.4 million. 25 teaching and 18 research projects were funded through use of FY 01 funds.

**Smith-Level Sections 3b&c C** Federal contributions for cooperative extension work are primarily derived from Section 3b&c formula funds appropriated under the Smith-Lever Act of 1914. These funds are used mainly to fund Extension Base Programs. The Base Programs are major educational efforts with the wider community that are central to the mission of the Cooperative Extension System and common to most Extension units.

**Section 1447 Facilities C** funding was initiated by Congress in fiscal year 1993. In 2001, funds were awarded to continue to support facilities improvement and acquisition programs at the 1890 Institutions.

## **CATEGORY NARRATIVES**

**Research and Development.** Hatch Act funds were used to support projects at the University of the District of Columbia and the University of the Virgin Islands. The University of the Virgin Islands also received funding for McIntire-Stennis. IFAFS Grants include projects to assess the social acceptability of genetically modified crops through

Tennessee State University; the study of nutrition intervention strategies in childhood obesity at the University of the District of Columbia; utilization of research and outreach data to improve the profitability for small and minority group farmers and farm-related businesses located in the Black Belt region from Fort Valley State; production of striped bass to help farmers in farm and income diversification at Kentucky State, and; efforts to improve the socio-economic performance and profitability of small- and medium-sized family farms through Florida A&M University.

National Research Initiative Grants include projects for computerized data collection and an analysis system for sensory research at Tuskegee University, and; research on the characterization and bioavailability of caseinophosphopeptides for bone mineralization at Prairie View A&M University.

Under Evans-Allen Research program Langston University scientists studied postweaning growth and harvest traits of Boer x Spanish, Spanish, and Boer x Angora wethers consuming a concentrate-based diet.

Federal Administration funds totaling \$645,577 were appropriated to Mississippi Valley State University for curriculum development and strengthening the food and agricultural sciences.

Eighteen proposals were awarded funding under the research authority of the Capacity Building Grants Program. Awards include: Silencing Peanut Allergens: A Molecular Strategy at Alabama A&M; Monitoring Biological Endpoints of Pesticide Exposure in Blood of Farm Workers at Kentucky State University; Advancing the International Trade Center to Service US Access to China Pork Market at North Carolina A&T, and; Regional Benefits and Costs of NAFTA at South Carolina State University.

**Facilities and Equipment.** \$12.1 million were appropriated to the 1890s for facilities improvement. One significant activity was the completion of the research and extension complex at Southern University which includes telecommunications equipment with graphic, television and distance learning components and more than 20 research labs. A livestock arena was also completed on the Southern campus which will greatly enhance the university's capability to conduct research and extend extension programs.

**Fellowships, Internships, Traineeships, Recruitment, and IPAs.** Twenty-five teaching projects were awarded funds under the 1890 Capacity Building Grants Program. Several exemplary projects include: Building a Bioinformatics Base: Preparing Students for the New Millennium at Alabama A&M; Project 2ExL: Improving Dietetics Education by Enhancing Experiential Learning at Delaware State; Raising Agriculturally and Technologically Literate Rattlers: Student Experiential Learning at Florida A&M University; Facilitating Interactive Student Learning and Agricultural Science through Library-Assisted, Internet-Based Electronic Multimedia Instruction at Alcorn State, and; Establishment of Bio-Environmental Geographical Information System at Prairie View A&M.

CSREES utilized the services of a professor from Langston University under Intergovernmental Personnel Act. This individual worked on small farm issues.

**Direct Institutional Support.** Base extension funds are provided to the 1890 land grant institutions through Smith-Lever and Federal Administration formula funds. As a land-grant institution, the University of the District of Columbia also receives base funds. In addition to base funds for the University of the Virgin Islands, funds were provided for projects in Pest Management, Farm Safety and EFNEP (Expanded Food and Nutrition Education Program).

**Other.** CSREES provided its portion to fund the 1890 Liaison positions.

As the USDA liaison to the White House Initiative for Historically Black Colleges and Universities, staff played a major role in the inception of the Millennium Awards program for researchers and teachers in science and technology. Through the efforts of eight federal agencies, a national awards program was created to recognize outstanding teachers and researchers in the fields of mathematics, science, engineering and technology at Historically Black Colleges and Universities. Five individuals from HBCUs were selected for recognition during National HBCU Week in September, 2001.

## **Economic Research Service**

A major goal of the Economic Research Service is to increase the diversity of the academic disciplines of agricultural economics and economics. As a research institution, ERS hires mostly economists with proven research experience, often demonstrated by completion of a Ph.D. Yet the pool of agricultural economists and economists at that level of expertise has very low minority representation. To change that situation, the agency had adopted a multi-faceted strategy, whose real pay-off in terms of a more diverse ERS workforce will be long term. However, encouraging results are beginning to be clearly visible. ERS contacts and cooperation with the Historically Black Colleges and Universities have contributed significantly toward achieving those results.

In 2001, ERS continued its varied efforts to encourage minority students to pursue further education in economics and ultimately to consider ERS as possible employer. ERS supported three 1890 National Scholars, one each at Ft. Valley State University, South Carolina State University, and Tennessee State University. The student at Ft. Valley came to Washington to serve as a summer intern and gain hands-on work experience as an economist. ERS also hired a former ERS 1890 Scholar from Tennessee State—now in graduate school—to work in the summer intern program and is maintaining its relationship with her. In addition, with the help of Southern University faculty, ERS selected its fourth BAYOU student at Southern for whom the agency provided a full scholarship. The student is majoring in agricultural economics and is expected to come to Washington for a summer internship in 2002. ERS maintained its relationship with a graduate of Prairie View who is currently a Ph.D. candidate in agricultural economics at the University of Illinois. Although illness precluded him from spending the summer at ERS, he returned to work at the agency several other times during the

school year and is expected back in 2002. And a Howard University graduate now in an economics Ph.D. program at MIT also has a continuing student appointment in ERS.

ERS has major funding for the Food and Nutrition Research Program (FANRP) aimed at supporting research projects that further USDA's food assistance programs. In 2001, ERS funded FANRP research at several Historically Black Colleges and Universities. Establishing research relationships of this kind not only contributes to the conduct of important research—the central goal—but also enables ERS to seek interns at those institutions, to contribute to student and faculty development, and to improve possibilities for further collaboration. ERS provided funding of \$48,500 to Tennessee State University to study the impact of food sufficiency on food choices of lower income children. The project will explore the impact of coping strategies on the adequacy, diversity, and dietary patterns of children who are eligible for food assistance when their household food situation deteriorates. ERS and North Carolina A&T University developed a \$20,000 agreement in support of food safety research in the southeastern region. Through an ERS-funded grant program at the Southern Rural Development Center at Mississippi State University, Clark Atlanta University received \$15,000 for conducting an assessment of the relationship between food insecurity and food assistance programs. In addition, ERS continued funding for staff participation in a guest lecturer series at Tennessee State University and in Tuskegee's Professional Agricultural Workers Conference.

FY 2001 marked serious progress toward the completion of a joint study by USDA/Virginia State University/Virginia Polytechnic Institute and State University assessing the outcomes and benefits flowing from USDA investments in the 1890 institutions. This study, the result of several years' cooperative work, explores the history of USDA investments in the 1890's and the outcomes of these investments, and outlines a model for measuring the returns on investment. It promises to be a useful tool for policymakers, and has led to further ongoing cooperative work between USDA and 1890 institutions. The study results are being published in FY 2002.

The cooperative work outlined above and relationships built through internships and other student-related activities increasingly link ERS with the HBCUs. The funding for Food and Nutrition Research Program (FANRP) research and analysis meets broad societal goals by contributing to public debate on the role of food assistance programs and by assessing unique issues and outcomes in state and local welfare programs. In addition, FANRP delivers funds to researchers, including those at HBCUs, who are familiar with the specific characteristics and needs of the poor communities in their states and regions. The program also encourages HBCU researchers to work in areas of importance to ERS and USDA. In this, it serves both ERS and the institutions well.

## **RESEARCH AND DEVELOPMENT**

Award: \$48,500

College or University: Tennessee State University

Description of Program or Activity: ERS Food and Nutrition Research Program grant for work on the “Impact of Food Sufficiency on Food Choices of Low Income Children.”

Award: \$15,000

College or University: Clark Atlanta University (through the Southern Rural Development Center, Mississippi State University)

Description of Program or Activity: Research grant for a study, “Assessing the Relationship between Food Insecurity Events and Food Assistance Programs in Two Different Public Housing Communities.”

Award: \$1,000

College or University: Tennessee State University

Description of Program or Activity: Funding for ERS staff participation in an ERS/Tennessee State University guest lecture series aimed at enhancing the research relationship between the institutions and encouraging student development in agriculture and food sciences and economics.

Award: \$1,000

College or University: Tuskegee University

Description of Program or Activity: Funding for an ERS economist to travel to Tuskegee to conduct a session and otherwise participate in the Professional Agricultural Workers Conference.

Award: \$1,000

College or University: South Carolina State University

Description of Program or Activity: Funding for an ERS researcher to participate in an ERS/South Carolina State guest lecture aimed at enhancing the research relationship between the institutions and encouraging student development in agriculture and food sciences and economics.

Award: \$20,000

College or University: North Carolina A&T University

Description of Program or Activity: Funding for cooperative research on food safety knowledge in the southeastern United States. The results will contribute to targeting and design of consumer education to promote safe food handling and provide insights into barriers to acceptance of irradiated products.

## **FELLOWSHIPS, INTERNSHIPS, TRAINEESHIPS, RECRUITMENT, AND IPAs**

Award: \$6,500

College or University: Ft. Valley

Description of Program or activity: Summer internship for an 1890 Scholar

## **STUDENT TUITION ASSISTANCE, SCHOLARSHIPS, AND OTHER AID**

Award: \$7,600

College or University: Southern University

Description of Program or Activity: Scholarship support for an agricultural economics major

Award: \$6,100

College or University: Ft. Valley State

Description of Program or Activity: Support for an 1890 Scholar

Award: \$6,800

College or University: South Carolina State

Description of Program or Activity: Support for an 1890 Scholar

Award: \$5,500

College or University: Tennessee State University

Description of Program or Activity: Support for an 1890 Scholar

## **OTHER**

Award: \$9,356

College or University:

Description of Program or Activity: Support for 1890 Liaisons

## **National Agricultural Statistics Service**

In fiscal year 2001, the National Agricultural Statistics Service (NASS) supported a variety of activities involving several Historically Black Colleges and Universities (HBCUs). NASS spent \$18,964 to support three USDA/1890 National Scholars Program participants enrolled at Tennessee State University, Lincoln University in Missouri, and Fort Valley State University in Georgia, respectively, during fiscal year 2001. Under the 2001 USDA Summer Employment Program, NASS also recruited and hired three student assistants, one from Tennessee State University.

NASS conducted recruitment activities at the 2001 National Association for Equal Opportunity (NAFEO) in Higher Education Conference held in Washington, D.C., and paid \$3,130 for recruitment booth space and other related expenditures. NASS also granted \$2,000 to Southern University at Baton Rouge, Louisiana, to support the Beginning Agricultural Youth Opportunity Unit (BAYOU) Program which hopefully will result in an increase in the

number of minority students qualified to become agricultural statisticians. NASS also contributed \$20,141 to the Department to cover the Agency's prorated cost to support USDA's 1890 Historically Black Colleges and Universities Leadership Group and its respective activities, including the 1890 Liaison Officers Program.

Under the USDA Capacity Building Grants Program, NASS continued to be actively involved as a cooperating agency with the following 1890 Historically Black Colleges and Universities: Alabama A&M University, Alcorn State University, Florida A&M University, Langston University, North Carolina A&T State University, South Carolina State University, and Tennessee State University.

#### **FELLOWSHIPS, INTERNSHIPS, TRAINEE SHIPS, RECRUITMENT, AND IPAS**

Award: \$ 9,054

College or University B Fort Valley State University in Georgia (\$393); Lincoln University in Missouri (\$4,609); Tennessee State University (\$4,052)

Description of Program or activity: Salaries paid to one HBCU student assistant and to the 3 USDA/1890 National Scholars.

#### **STUDENT TUITION ASSISTANCE, SCHOLARSHIPS, AND OTHER AID**

Award: \$ 13,010

College or University B Fort Valley State University in Georgia (\$3,020); Lincoln University in Missouri (\$8,169); Tennessee State University (\$1,821).

Description of Program or activity: Assistance provided to 3 USDA/1890 National Scholars to cover tuition, registration or laboratory fees, books, etc.

#### **DIRECT INSTITUTIONAL SUBSIDIES**

Award: \$ 2,000

College or University B Southern University at Baton Rouge, Louisiana

Description of Program or activity: BAYOU Program.

## DEPARTMENTAL ACTIVITIES

The **Departmental Administration** and staff offices provide staff support to policy officials and overall direction and coordination for the management of human resources, civil rights, conflict prevention and resolution, ethics, outreach, property, procurement, emergency preparedness, and the regulatory hearing and administrative proceedings conducted by the Administrative Law Judges, Judicial Officer, and Board of Contract Appeals. Other staff offices providing support include: Office of Budget and Program Analysis, National Appeals Division, Office of the Chief Economist, and Office of Communications.

USDA has the authority to transfer excess personal property to 1890 Land Grant Institutions and Tuskegee University. Since June 1989, property with an original acquisition cost in excess of \$23 million has been transferred to the schools. The property is being used in support of agricultural research and extension programs at the schools. During FY 2001, more than \$1.3 million (original acquisition cost) of excess property was transferred to the 1890 Universities and Tuskegee University.

The **Outreach for Socially Disadvantaged Farmers Program** authorized by section 2501 of the Food, Agriculture, Conservation, and Trade Act of 1990, provides grants to organizations in order to increase socially disadvantaged farmers' and ranchers' participation in USDA programs and to enhance the success of their operations by providing outreach and technical assistance. This program is administered by the Office of Outreach within DA.

During FY 2001 more than \$3 million were awarded to 13 of the 1890 institutions to provide outreach, training, and technical assistance to minority and rural area farmers and ranchers. The program provided participants with training in farm management, recordkeeping, marketing opportunities, farm and home plan development, demonstration projects, alternative farm enterprises and other farm-related topics.

The **Office of the Chief Financial Officer (OCFO)** provides overall direction and leadership in the development of financial management policies and systems and produces the Department's consolidated financial statements and strategic and annual plans and reports. Administering the Department's Working Capital Fund and allocating other centralized charges are also key responsibilities of OCFO. In addition, OCFO directs, develops, and implements common administrative accounting, recordkeeping, and related systems for USDA agencies and some cross-serviced Federal agencies through operation of the National Finance Center (NFC).

The OCFO/NFC continues to support the Historically Black Colleges and Universities (HBCU).

During FY 2001 NFC, which operates in New Orleans, worked with HBCUs in the New Orleans area such as Southern University at New Orleans, Dillard University, Xavier University, Southern University at Baton Rouge, Tougaloo College in Tougaloo, Mississippi, and Howard University in Washington, D.C.

Participated in the annual Career Fairs at Xavier University, Southern University/Baton Rouge, Southern University/New Orleans, and the Career Exploration Day Fair 01 at Dillard University.

During FY 2001 the NFC participated in both the Xavier University and Southern University at Baton Rouge, Youth Motivation Task Force Program (YMTF). The primary goals of YMTF are to introduce students to the private, public, and Federal job market; offer students insight into skills and attributes they will need to succeed in their careers; and provide successful role models.

Continued operating under a Memorandum of Understanding (MOU) with Southern University/Baton Rouge to offer employment and training opportunities to students and faculty. In addition, the NFC continued to operate under a MOU with Dillard and Xavier Universities. During FY 2001 the NFC offered summer employment opportunities to students from Howard University in Washington, D.C., and Tougaloo College in Tougaloo, MS.

Continued to assist in the Federal Executive Board (FEB) HBCU Human Resources Development Action Plan for school year 2001. This is an initiative under the FEB's Master Memorandum of Agreement entered into between Federal installations and the four HBCUs in the New Orleans area.

During FY 2001, the NFC did not make any direct monetary awards to HBCUs in the New Orleans area.

### **FY 01 Awards to College and Universities and Narrative Information**

During FY 2001, the NFC provided awards to HBCU in the form of fellowships, internships, traineeships, recruitment, and Intergovernmental Personnel Act (IPAs). Listed below are HBCU programs and activities.

<u>HBCU</u>	<u>Activity/Program</u>	<u>Award</u>
Southern University, Baton Rouge, La.	Career Fair, YMTF, Summer Intern	\$9,066
Xavier University, New Orleans, La.	Career Fair, YMTF, Summer Intern	\$67,369

Southern University, New Orleans, La.	Career Fair, STEP	\$59,024
Dillard University, New Orleans, La.	Career Exploration Fair Day, STEP, Summer Intern	\$80,131
Howard University, Washington, D.C.	Summer Intern	\$8,766
Tougaloo College, Tougaloo, MS	Summer Intern	\$8,766

In cooperation with the FEB's Master Memorandum of Agreement, entered into between OCFO/NFC, Federal installations, and four HBCUs in New Orleans area, employment and training opportunities were provided to students.

Six students from Southern University in New Orleans worked under the Center's Student Temporary Employment Program (STEP). One student worked under the NFC's 2001 Summer Intern Program.

One student from Southern University in Baton Rouge worked under the NFC's Summer Intern Program.

One student from Howard University worked under the NFC's Summer Intern Program.

One student from Tougaloo College in Tougaloo, Mississippi worked in the NFC's 2001 Summer Intern Program.

Two students from Dillard University in New Orleans worked under the Center's Summer Intern Program. Eight students worked under the NFC's STEP Program.

Two students from Xavier University in New Orleans worked under the NFC's Summer Intern Program. Six students worked under the Center's STEP Program.

Representatives from the Equal Opportunity Staff and the Human Resources Management Office participated at the Xavier University's Career Day Fair, the Annual Career Day at Southern University/Baton Rouge, the Dillard University's Career Exploration Day Fair, and the Southern University in New Orleans Career Day Fair during September 2001.

The NFC is constantly trying to surface applicants of the EEO Groups for available positions. Strategies the NFC has undertaken to address the under representation of identified minorities and women in the employment racks are as follows:

EEO and Human Resources Management Staff assist NFC management in diversifying offers made to applicants for hire.

Identified colleges and universities that have a significant representation of women and minorities for populous job groups.

Continue to list positions on the WEB.

Continue to employ the Center's Student Employment Program, which include a diversified group of persons that provide a source for future applicants in key job groups.

Continue to work with community-based organizations.